Cs201 Final Term MCQS

Created By

Zesshan salik

0300-9469045

When a call to a user-defined function finishes, the variable defined inside the function will _____.

Answer (Please select your correct option)

- still in existence
- not exist further
- finish but a copy will remain in memory
- become static for other functions

Question No : 16 of 52

Which of the following option is true about static data members of a class?

Answer (Please select your correct option)

- The static data members cannot be private or public
- The static data members must be private
- The static variables must be public
- The static data members can be private or public

Question No : 12 of 52

Initializing the data members in the definition of the class is _____

Answer (Please select your correct option)

- syntax error
- logical error
- not an error

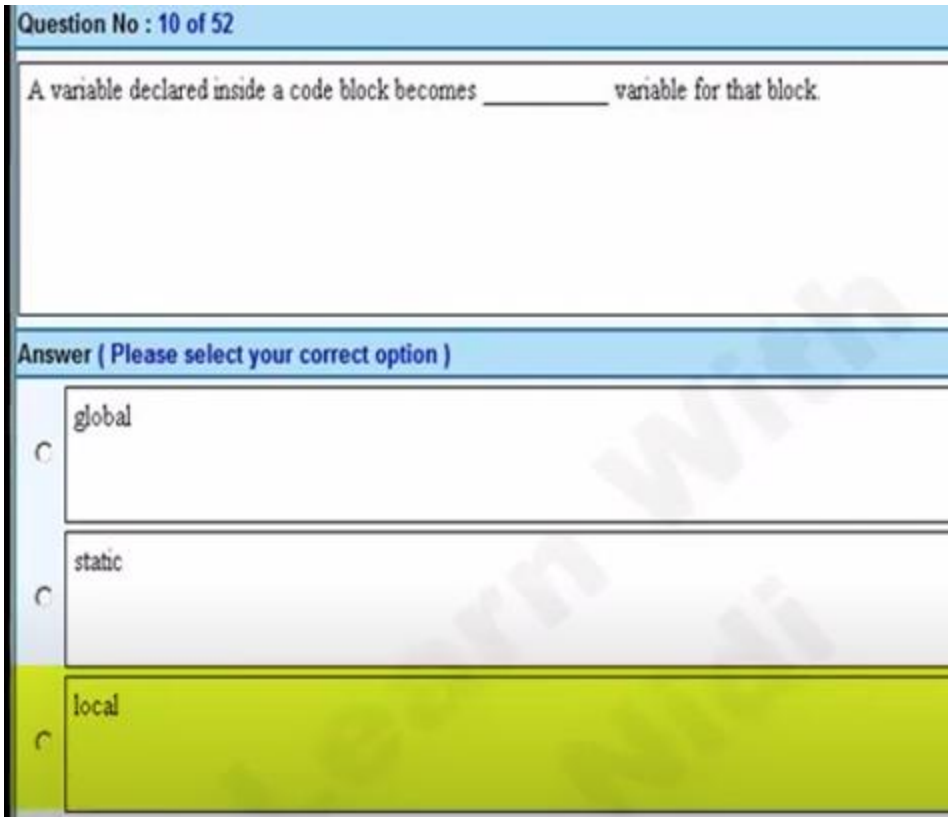
Question No : 11 of 52

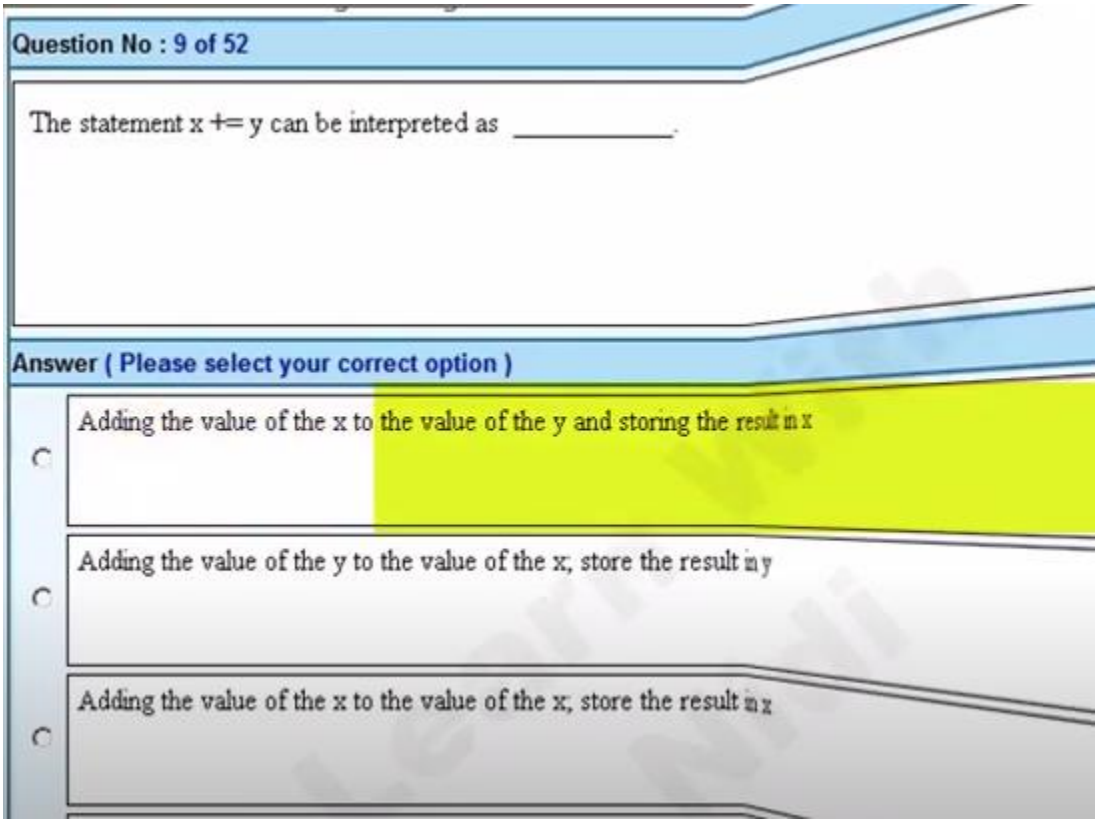
If a friend function outside the class declares itself friend of the class, this may violate the concept of _____.

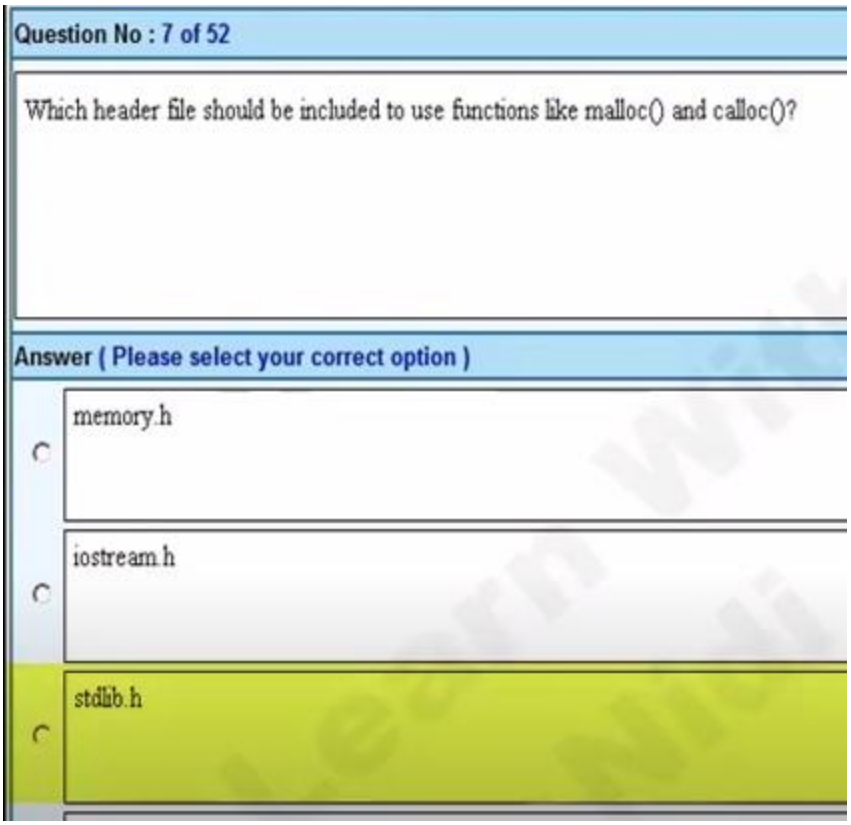
Answer (Please select your correct option)

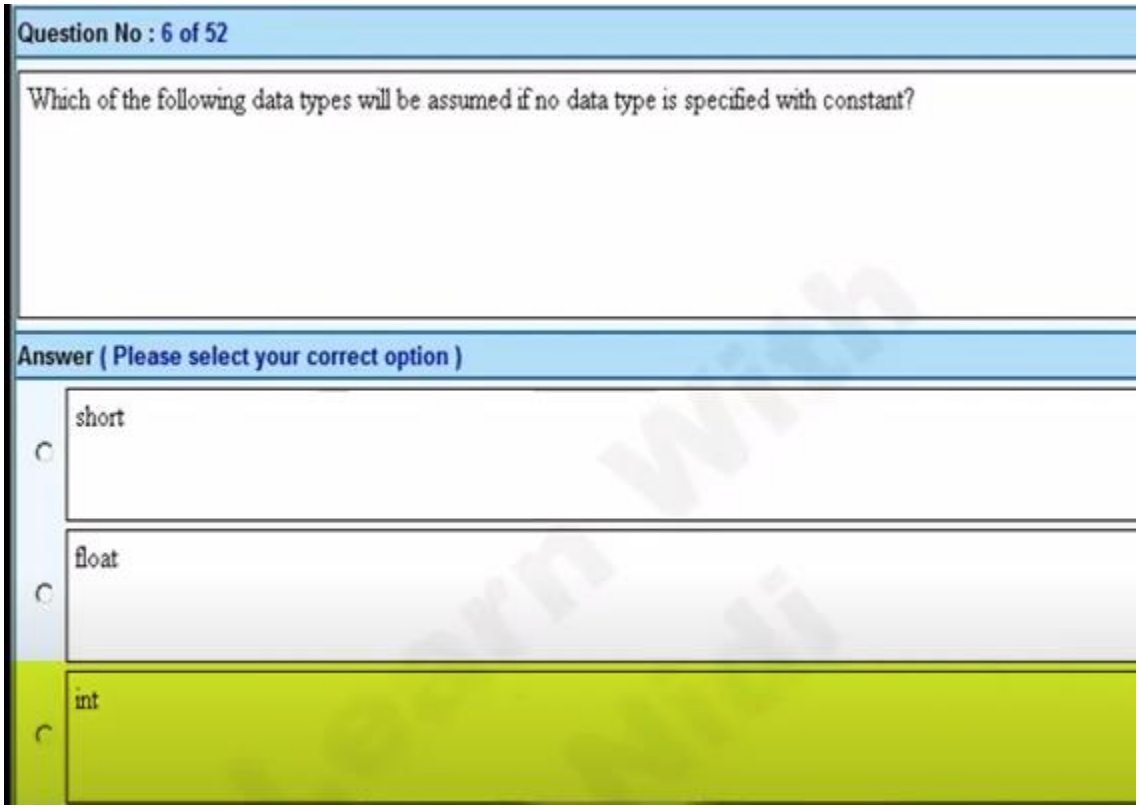
- Encapsulation and data accessing
- Encapsulation and data hiding
- Friend member functions of the class




Question No : 10 of 52
A variable declared inside a code block becomes _____ variable for that block.
Answer (Please select your correct option)
global
static
local


Question No : 9 of 52
The statement x += y can be interpreted as _____.
Answer (Please select your correct option)
Adding the value of the x to the value of the y and storing the result in x
Adding the value of the y to the value of the x; store the result in y
Adding the value of the x to the value of the x; store the result in x


Question No : 7 of 52
Which header file should be included to use functions like malloc() and calloc()?
Answer (Please select your correct option)
memory.h
iostream.h
stdlib.h


Question No : 6 of 52
Which of the following data types will be assumed if no data type is specified with constant?
Answer (Please select your correct option)
short
float
int

Question No : 4 of 52

To assigned a value to a character type variable, _____ are used around the value.

Answer (Please select your correct option)

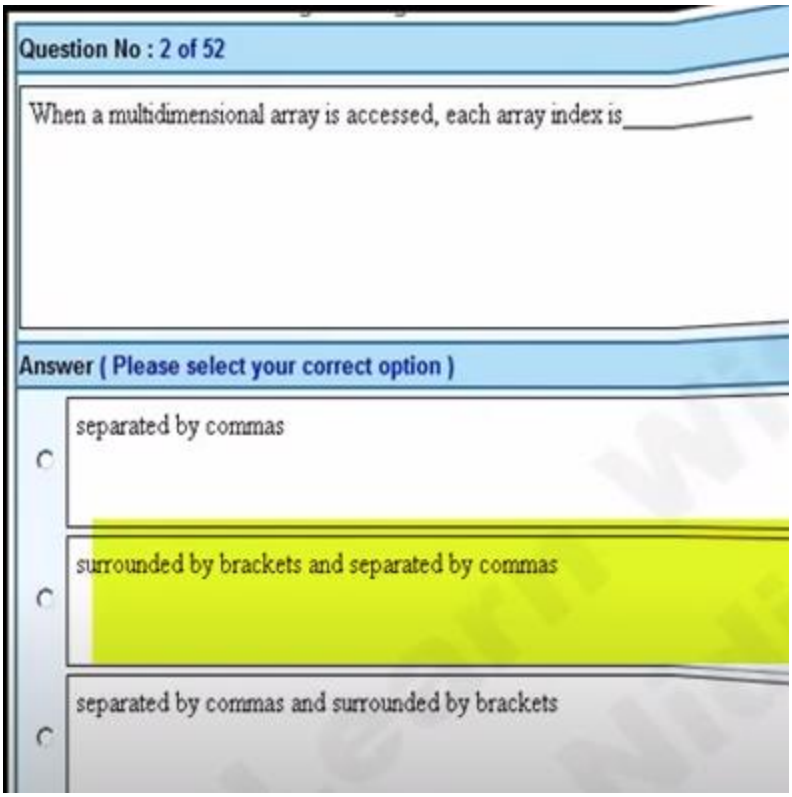
- parenthesis ( )
- single qoutes ' '
- double qoutes " "

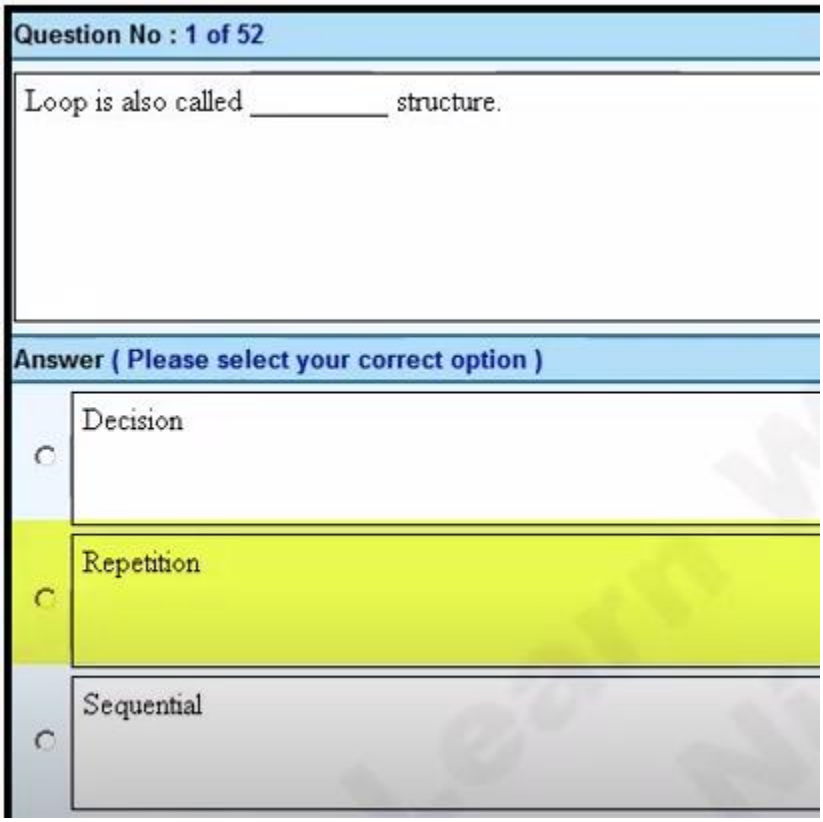
Question No : 3 of 52

Which of the given operators is not a valid compound assignment operator ?

Answer (Please select your correct option)

- >>=
- =>>
- *=


Question No : 2 of 52
When a multidimensional array is accessed, each array index is_____
Answer (Please select your correct option)
separated by commas
surrounded by brackets and separated by commas
separated by commas and surrounded by brackets


Question No : 1 of 52
Loop is also called _____ structure.
Answer (Please select your correct option)
Decision
Repetition
Sequential

Question No : 40 of 52

The destructor for all the objects in the program is automatically called when _____.

Answer (Please select your correct option)

- Memory is dynamically allocated to objects
- Objects are used inside functions
- Array of objects is declared
- Program is terminated

Question No : 39 of 52

A constructor has the same name as that of _____ .

Answer (Please select your correct option)

- Variable
- Class
- Structure

Question No : 38 of 52

In case of _____default mechanism of function calling is call by value.

Answer (Please select your correct option)

- Variable
- Array
- Heap

Question No : 35 of 52

Memory allocated at run time is a system resource and it is the responsibility of _____ to de-allocate the memory.

Answer (Please select your correct option)

- System
- Programmer
- User of program
- Operating System

Question No : 34 of 52

new and delete are also used with _____ and primitive data types as well.

Answer (Please select your correct option)

- loops
- structures, pointers
- classes , structures

Question No : 33 of 52

If constructor contains a return statement in its body then compiler will give _____.

Answer (Please select your correct option)

- No error
- Syntax error
- Logical error

Question No : 32 of 52

The function free() returns back the allocated memory got through calloc and malloc to _____ .

Answer (Please select your correct option)

- stack
- heap
- free memory store



Question No : 31 of 52

Static allocation is _____ efficient than the dynamic allocation.

Answer (Please select your correct option)

- less
- more
- equally
- it depends on the situation

Question No : 30 of 52

Which of the following is NOT a preprocessor directive?

Answer (Please select your correct option)

- #error
- #define
- #line
- #ndefine

Question No : 29 of 52

A macro when takes arguments is called_____.

Answer (Please select your correct option)

- function
- procedure
- parameterized macro

Question No : 28 of 52

A constructor will create a new object with a full copy of the other object, this type of copy is known as _____

Answer (Please select your correct option)

- Deep copy
- Shallow copy
- Constructor copy

Question No : 27 of 52

The order of destruction of an object is _____.

Answer (Please select your correct option)

- same as the construction order.
- reverse as the construction order.
- independent of the construction order.

Question No : 26 of 52

The stream insertion and stream extraction operators are already overloaded for _____.

Answer (Please select your correct option)

- User-defined data types
- Built-in data types
- User-defined and built-in data types

Question No : 25 of 52

We can use cin.peek() function to _____.

Answer (Please select your correct option)

- See the next character that we are going to get.
- Get to the end of the input buffer.
- See the first character of input buffer.
- See the last character of the current input word.

Question No : 24 of 52

If we write a statement like s2 = s1; _____ will be the calling object and _____ will be passed to the = operator as an

Answer (Please select your correct option)

- s1, s1
- s1, s2
- s2, s1

Question No : 23 of 52

_____ data members of a contained object can be accessed from inside of the containing class.

Answer (Please select your correct option)

- Private
- Public
- Protected
- All

Question No : 22 of 52

Classes defined inside other classes are called _____ classes

Answer (Please select your correct option)

- looped
- nested
- overloaded

Question No : 21 of 52

The appropriate data type to store the number of rows and colums of the matrix is_____.

Answer (Please select your correct option)

- float
- strings
- int
- char

Question No : 20 of 52

Templates provide way of abstracting _____ information.

Answer (Please select your correct option)

- type
- data
- method
- access

Question No : 19 of 52

What does STL stand for?

Answer (Please select your correct option)

- Source template library
- Standard template library
- Stream template library
- Standard temporary library

Question No : 18 of 52

With template function, the compiler automatically detects the _____ and generates _____ using passed d

Answer (Please select your correct option)

- passed data , a new copy of function
- parameters, an old copy of function
- old copy of function, parameters
- parameters, an new copy of function

Question No : 17 of 52

If C1 and C2 are objects of the same class, what would a user get after compiling the following statement?
C1 = C2;

Answer (Please select your correct option)

- The compiler will generate a syntax error regarding assignment operator not overloaded.
- The compiler will execute the statement but it will be a logical error.
- A run time error occurs
- The program will execute successfully without any logical error.

Question No : 16 of 52

Which of the following operator the compiler overloads for objects by default?

Answer (Please select your correct option)

- + operator
- - operator
- = operator

Question No : 15 of 52

A _____ is considered as a special type of pointer which contains address of a memory location.

Answer (Please select your correct option)

- Function
- Structure
- Reference
- Class

Question No : 14 of 52

The pointer returned by the new operator points to _____ of memory chunks allocated by the new operator.

Answer (Please select your correct option)

- Second memory address
- First memory address
- Last memory address
- Last memory address of the previous chunk

Question No : 13 of 52

When a variable is defined as static in a class then _____.

Answer (Please select your correct option)

- Separate copy of this variable is created for each object
- Only one copy is created for all objects of this class
- A copy of this variable is created for only static objects
- No copy is created for the objects of that class

Question No : 12 of 52

Which of the following option is true about static data members of a class?

Answer (Please select your correct option)

- The static data members cannot be private or public
- The static data members must be private
- The static variables must be public
- The static data members can be private or public

Question No : 11 of 52

The static data members of a class will be _____.

Answer (Please select your correct option)

- shared by objects
- created for each object
- initialized within class
- initialized within main function

Question No : 9 of 52

In C++, Integer calculation occurs in _____ bytes.

Answer (Please select your correct option)

- 1 byte
- 2 bytes
- 4 bytes
- 8 bytes

Question No : 8 of 52

What will be the output of this code segment?

```
int arr[6] = {2, 3, 7, 4, 5, 6} ;
int *ptr1 =&arr[1] ;
int *ptr2 = &arr[4] ;
cout << (ptr2-ptr1) ;
```

Answer (Please select your correct option)

- 3
- 9
- 12
- 2

Question No : 7 of 52

When break statement is encountered in switch statement, it _____

Answer (Please select your correct option)

- Stops the entire program
- Stops the execution of current statement
- Exits from switch statement

Question No : 6 of 52

Which of the following values are used in C/C++ to represent true and false?

Answer (Please select your correct option)

- 1 and 0
- 1 and -1
- 11 and 00
- Any numerical value

Question No : 5 of 52

_____ executes all the lines before error and stops at the line which contains the error.

Answer (Please select your correct option)

- Intrepreter
- Compiler
- Linker
- Debugger

Question No : 4 of 52

Using a segment of source code again by adding new functionalities with slight or no modification is termed as _____

Answer (Please select your correct option)

- code efficiency
- code reusability
- code modification

Question No : 3 of 52

Which of the following is the correct way to initialize a character array 'course' with string 'programming'?

Answer (Please select your correct option)

- course[12] ="programming";
- course[] = {"programming"};
- course[] = 'programming' ;

Question No : 2 of 52

What is the highest legal index for the following array?
int arr[4]

Answer (Please select your correct option)

- 4
- 3
- 2
- 1

Question No : 1 of 52

Which of the following function call is "call by reference" for the following function prototype?
void func (int *);

Answer (Please select your correct option)

- func(int &num) ;
- func(&num) ;
- func(*num) ;
- func(num) ;

Question No : 40 of 52

Constructor is a special function, called whenever we instantiate a _____ of a class.

Answer (Please select your correct option)

- Function
- Data member
- Object

Question No : 39 of 52

Whenever we allocate any memory from the heap then starting position of the block of the memory allocated is returned as a _____that is kept

Answer (Please select your correct option)

- Variable
- Address
- Pointer

Question No : 38 of 52

Whenever we allocate any memory from the_____ then starting position of the block of the memory allocated is returned as an address that is kept in

Answer (Please select your correct option)

- Flush
- Buffer
- Heap

Question No : 37 of 52

Individual characters in a string stored in an array can be accessed directly using array _____.

Answer (Please select your correct option)

- Superscript
- Subscript
- Script
- Value

Question No : 36 of 52

Sequence of event(s) when allocating memory using new operator is _____.

Answer (Please select your correct option)

- Only block of memory is allocated for objects
- Only constructor is called for objects
- Memory is allocated first before calling constructor
- Constructor is called first before allocating memory

Question No : 35 of 52

The declarator of Plus (+) member operator function is _____.

Answer (Please select your correct option)

- Class-Name operator + (Class-Name rhs)
- operator Class-Name + ( )
- operator Class-Name + (rhs)

Question No : 34 of 52

Which one of the given options is correct prototype syntax for overloaded operator?

Answer (Please select your correct option)

- return-type operator-symbol (parameter-list) operator;
- operator return-type operator-symbol (parameter-list);
- return-type operator operator-symbol (parameter-list);

Question No : 34 of 52

Which one of the given options is correct prototype syntax for overloaded operator?

Answer (Please select your correct option)

- return-type operator-symbol (parameter-list) operator;
- operator return-type operator-symbol (parameter-list);
- return-type operator operator-symbol (parameter-list);

Question No : 33 of 52

The prototype of friend function is written _____.

Answer (Please select your correct option)

- Before the class definition
- As private member function
- Anywhere inside the class definition
- In the main function

Question No : 32 of 52

The region of memory, available for allocation at run time in C language is called _____ memory whereas in C++ , is called _____

Answer (Please select your correct option)

- Heap, Stack
- Stack, Free Store
- Heap, Free Store

Question No : 31 of 52

Which of the following function call is correct for the function prototype?
defaultParameters (int a, int b = 7, char z = '*');

Answer (Please select your correct option)

- defaultParameters (5);
- defaultParameters (5, '8');
- defaultParameters (6, '#');

Question No : 30 of 52

Static allocation is _____ efficient than the dynamic allocation.

Answer (Please select your correct option)

- less
- more
- equally
- it depends on the situation

Question No : 28 of 52

_____ is the only operator that the compiler overloads for user defined data type.

Answer (Please select your correct option)

- Plus (+)
- Minus (-)
- Equal (==)
- Assignment (=)

Question No : 27 of 52

A constructor will create a new object with a full copy of the other object, this type of copy is known as _____

Answer (Please select your correct option)

- Deep copy
- Shallow copy
- Constructor copy
- Object copy

Question No : 26 of 52

The order of destruction of an object is _____.

Answer (Please select your correct option)

- same as the construction order.
- reverse as the construction order.
- independent of the construction order.
- same as the order of objects declared.

Question No : 28 of 52

_____ is the only operator that the compiler overloads for user defined data type.

Answer (Please select your correct option)

- Plus (+)
- Minus (-)
- Equal (==)
- Assignment (=)

Question No : 27 of 52

A constructor will create a new object with a full copy of the other object, this type of copy is known as _____.

Answer (Please select your correct option)

- Deep copy
- Shallow copy
- Constructor copy
- Object copy

Question No : 26 of 52

The order of destruction of an object is _____.

Answer (Please select your correct option)

- same as the construction order.
- reverse as the construction order.
- independent of the construction order.
- same as the order of objects declared.

Question No : 25 of 52

When an object of a class is defined inside an other class then _____.

Answer (Please select your correct option)

- Constructor of enclosing class will be called first
- Constructor of inner object will be called first
- Constructor and Destructor will be called simultaneously

Question No : 24 of 52

The stream insertion and stream extraction operators are already overloaded for _____.

Answer (Please select your correct option)

- User-defined data types
- Built-in data types
- User-defined and built-in data types
- Constants

Question No : 23 of 52

The normal source of cin object is _____.

Answer (Please select your correct option)

- File
- Disk
- Keyboard
- RAM

Question No : 22 of 52

_____ data members of a contained object can be accessed from inside of the containing class.

Answer (Please select your correct option)

- Private
- Public
- Protected
- All

Question No : 21 of 52

By using objects as class members, _____ is achieved.

Answer (Please select your correct option)

- Accessibility
- Reliability
- Reusability
- Usability

Question No : 20 of 52

The appropriate data type to store the number of rows and colums of the matrix is_____.

Answer (Please select your correct option)

- float
- strings
- int

Question No : 19 of 52

What does STL stand for?

Answer (Please select your correct option)

- Source template library
- Standard template library
- Stream template library
- Standard temporary library

Question No : 17 of 52

The pointer returned by the new operator points to _____ of memory chunks allocated by the new opera

Answer (Please select your correct option)

- Second memory address
- First memory address
- Last memory address
- Last memory address of the previous chunk

Question No : 16 of 52

new operator allocates memory from free store and returns _____.

Answer (Please select your correct option)

- A pointer
- A reference
- An integer
- A float

Question No : 15 of 52

The return type of the operator function for << operator is _____.

Answer (Please select your correct option)

- class for which we overload operator
- reference of ostream class (ostream&)
- reference of istream class (istream&)

Question No : 14 of 52

What will be the output of the following statement?

```
cout << setbase(16) << 52 ;
```

Answer (Please select your correct option)

- 52
- 34
- 64
- 32

Question No : 13 of 52

Both endl and flush are _____.

Answer (Please select your correct option)

- Functions
- Operators
- Manipulators
- Objects

Question No : 12 of 52

The operator used for casting in C is standard _____ operator.

Answer (Please select your correct option)

- binary
- cast
- cost
- const

uestion No : 11 of 52

A _____ name includes a primary name and an optional period with an extension.

nswer (Please select your correct option)

- File
- Disk
- Data

Question No : 10 of 52

In C/C++, _____ are the doors through which data can enter and come out of a program.

Answer (Please select your correct option)

- Streams
- Fields
- Variables

Question No : 9 of 52

If a friend function outside the class declares itself friend of the class, this may violate the concept of _____

Answer (Please select your correct option)

- Encapsulation and data accessing
- Encapsulation and data hiding
- Friend member functions of the class
- Interface of the class

Learn With Niti

Question No : 8 of 52

A variable declared inside a code block becomes the _____ variable for that block.

Answer (Please select your correct option)

- global
- static
- local
- inner

Question No : 7 of 52

The address operator (&) is used with a _____.

Answer (Please select your correct option)

- Statement
- Expression
- Variable
- Constant

Question No : 6 of 52

When a value is referred by a normal variable then it is known as_____.

Answer (Please select your correct option)

- Direct Reference
- Indirect Reference
- Proper Reference
- Partial Reference

Question No : 5 of 52

The dynamic memory allocation uses memory from the _____.

Answer (Please select your correct option)

- Stack
- Heap
- System Cache

Question No : 4 of 52

In C/C++, null character is represented as _____.

Answer (Please select your correct option)

- \n
- \0
- \t

Question No : 3 of 52

All elements of an array must be of_____.

Answer (Please select your correct option)

- different data type
- float data types only
- character data types only
- same data type

Question No : 2 of 52

Which one of the statements given below is equivalent to **sum += j*j** ?

Answer (Please select your correct option)

- sum = j * j
- sum = sum + j
- sum = sum + j * j
- sum * j = j

Full screen