



Classes, Inheritance and basic OOPS concept Test

This Test will consists of mixed questions. CLasses, OOPS concepts, and expression evaluation etc.

Q. Which feature allows you to create a Derived class that inherits properties from more than one Base class?

- A. Multilevel Inheritance.
- B. Multiple Inheritance.
- C. Hybrid Inheritance.
- D. Hierarchical Inheritance.

Correct Answer : OPTION B

Q. Which feature in Object Oriented Programming allows reusing code?

- A. Polymorphism
- B. Inheritance
- C. Encapsulation
- D. Data hiding

Correct Answer : OPTION B

Q. A function that changes the state of the `cout` object is called _____?

- A. a Member function
- B. an Adjuster function
- C. a Manipulator function
- D. an Operator function

Correct Answer : OPTION C

Q. What does C++ append to the end of a string literal constant?

- A. A space.
- B. A number sign (#).
- C. An asterisk (*).
- D. A null character.

Correct Answer : OPTION D

Q. An array element is accessed using _____ .

- A. A first-in-first-out approach.
- B. The dot operator.
- C. A member name.
- D. An index number.

Correct Answer : OPTION D

Q. To hide a data member from the program, you must declare the data member in the _____ section of the class.

- A. Protected
- B. Confidential
- C. Hidden
- D. Private
- E. Restricted.

Correct Answer : OPTION D

Q. What is the Output of this Program?

```
#include <iostream>
using namespace std;

class sample
{
private:
int a, b;
public:
void test()
{
a = 100;
b = 200;
}
friend int compute(sample e1);
};

int compute(sample e1)
{
return int(e1.a + e1.b) - 5;
}

int main()
{
sample e;
e.test();
cout<<compute(e);
return 0;
}
```

- A. 295
- B. 100
- C. 300
- D. 200
- E. None

Correct Answer : OPTION A

Q. The function whose prototype is `void getData(Item *thing);` receives

_____ .

- A. A pointer to a structure.
- B. A reference to a structure.
- C. A copy of a structure.
- D. Nothing

Correct Answer : OPTION A

Q. Null character needs a space of _____ .

- A. Zero bytes.
- B. One byte.
- C. Three bytes.
- D. Four bytes.

Correct Answer : OPTION B

Q. The number of structures that can be declared in a single statement is _____ ?

- A. One
- B. Two
- C. Three
- D. Unlimited

Correct Answer : OPTION D

Q. Which of the following formulas can be used to generate random integers between 1 and 10?

- A. $1 + \text{rand}() \% (10 - 1 + 1)$.
- B. $1 + (10 - 1 + 1) \% \text{rand}()$.
- C. $10 + \text{rand}() \% (10 - 1 + 1)$.
- D. $10 + \text{rand}() \% (10 + 1)$.

Correct Answer : OPTION A

Q. Format flags may be combined using the _____.

- A. Bitwise OR operator (|)
- B. Logical OR operator (||)
- C. Bitwise AND operator (&)
- D. Logical AND operator (&&)

Correct Answer : OPTION A

Q. Which of the following will store the number 320000 as a Float number?

- A. CounPop = (float) 3.2e5;
- B. CounPop = (float) 3.2e6;
- C. CounPop = (float) .32e5;
- D. CounPop = (float) .32e7;

Correct Answer : OPTION A

Q. Which other keywords are also used to declare the class other than class?

- A. struct
- B. union
- C. object
- D. both (a) and (b)

Correct Answer : OPTION D, Struct and union take the same definition of class but differs in the access techniques.

Q. The following statement where T is true and F is false, T && T || F && T

- _____ .
- A. is true
 - B. is false
 - C. is wrong
 - D. Not applicable in C language

Correct Answer : OPTION A

[SUBMIT TEST \(\)](#)

[What is Studytonight?](#)

[About Us \(/about\)](#)

[Authors \(/authors\)](#)

[Collaborate \(/collaborate\)](#)

[Testimonials \(/testimonials\)](#)

[Privacy Policy \(/privacy\)](#)

[Terms \(/terms\)](#)

[Contact Us \(/contact\)](#)

[Suggest \(/suggest\)](#)

[Tutorials](#)

[Android \(/android\)](#)

[Core Java \(/java\)](#)

[C++ \(/cpp\)](#)

[Data Structures \(/data-structures\)](#)

[Python \(/python\)](#)

[Network Programming \(/network-programming-in-python\)](#)

[DBMS & SQL \(/dbms\)](#)

[Servlet \(/servlet\)](#)

[More... \(/library\)](#)

[Tests](#)

[Core Java \(/tests\)](#)

[Android \(/tests/?subject=android\)](#)

[C++ \(/tests/?subject=cpp\)](#)

[DBMS \(/tests/?subject=dbms\)](#)

[C Language \(/tests/?subject=c\)](#)

[More... \(/tests\)](#)

[Learn to Code](#)

[HTML \(/code/html\)](#)

[CSS \(/cascading-style-sheet/\)](#)

[Website Development \(/code/playground\)](#)

[Java Interview Question \(/flashcards/Java\)](#)

[C++ Interview Question \(/flashcards/Cpp\)](#)

[OS Interview Question \(/flashcards/OS\)](#)

[DBMS Interview Question \(/flashcards/Sql\)](#)

[More... \(/flashcards\)](#)