



C++ Programming MCQs Test 9

This Test will cover complete C++ with very important questions, starting off from basics to advanced level.

Q. Which operator is having right to left associativity in the following?

- A. Array subscripting
- B. Function call
- C. Addition and subtraction
- D. Type cast

Correct Answer : OPTION D, Type cast

Q. What is the use of `dynamic_cast` operator?

- A. it converts virtual base class to derived class
- B. it converts virtual base object to derived objects
- C. it will convert the operator based on precedence
- D. None of the mentioned

Correct Answer : OPTION A, it converts virtual base class to derived class. Because the `dynamic_cast` operator is used to convert from base class to derived class.

Q. What is the output of the following C++ program?

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

int main()
{
    int array[] = {10, 20, 30};
    cout << -2[array];
    return 0;
}
```

- A. -15
- B. -30
- C. compile time error
- D. garbage value

Correct Answer : OPTION B, -30

Q. Which of the following statement is true about preprocessor directives?

- A. These are lines read and processed by the preprocessor
- B. They are not considered a part of the program code.
- C. Compiler doesn't execute them.
- D. They begin with a # and are invoked by the compiler to process some programs before compilation

Correct Answer : OPTION D, They begin with a # and are invoked by the compiler to process some programs before compilation

Q. What is the output of the following C++ program?

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

int main()
{
    cout<< strcmp("strcmp"),"strcmp()");
    return 0;
}
```

- A. 0
- B. 1
- C. -1
- D. Invalid use of strcmp() function

Correct Answer : OPTION A, 0,strcmp return 0 if both the strings are equal

Q. Pick out the correct statement about string template ?

- A. It is used to replace a string.
- B. It is used to replace a string with another string at runtime.
- C. It is used to delete a string.
- D. None of the mentioned

Correct Answer : OPTION B, It is used to replace a string with another string at runtime.

Q. What is the output of the following C++ program?

```
#include<iostream>
#include <string.h>
using namespace std;
template <typename T>

void print_mydata(T output)
{
    cout << output << endl;
}

int main()
{
    double d = 5.5;
    string s("Hello World");
    print_mydata( d );
    print_mydata( s );
    return 0;
}
```

- A. 5.5 Hello World
- B. 5.5
- C. Hello World
- D. None of the mentioned

Correct Answer : OPTION A, 5.5 Hello World

Q. What is used to describe the function using placeholder types?

- b>A. template parameters
- b>B. template type parameters
- b>C. template type
- b>D. none of the mentioned

Correct Answer : OPTION B, template type parameters. During runtime, We can choose the appropriate type for the function and it is called as template type parameters.

Q. When `struct` is used instead of the keyword `class`, what will happen in the program?

- A. access is public by default
- B. access is private by default
- C. access is protected by default
- D. none of the mentioned

Correct Answer : OPTION A, access is public by default

Q. How many ways of reusing are there in class hierarchy?

- A. 1
- B. 2
- C. 3
- D. 4

Correct Answer : OPTION B, 2, class hierarchies promote reuse in two ways. They are code sharing and interface sharing.

Q. What will happen when we introduce the interface of classes in a run-time polymorphic hierarchy?

- A. Separation of interface from implementation
- B. Merging of interface from implementation
- C. Separation of interface from debugging
- D. None of the mentioned

Correct Answer : OPTION A, Separation of interface from implementation

Q. Which classes are called as `mixin` ?

- A. Represent a secondary design
- B. Classes express functionality which represent responsibilities.
- C. Both a & b
- D. None of the mentioned

Correct Answer : OPTION B, Classes express functionality which represent responsibilities.

Q. What is the default calling convention for a compiler in c++?

- A. `__cdecl`
- B. `__stdcall`
- C. `__pascal`
- D. `__fastcall`

Correct Answer : OPTION A, `__cdecl`

Q. How can you access the arguments that are manipulated in the function?

- A. `va_list`
- B. `arg_list`
- C. both a & b
- D. none of the mentioned

Correct Answer : OPTION A, `va_list`

Q. What will initialise the list of arguments in `stdarg.h` header file?

- A. `va_list`
- B. `va_start`
- C. `va_arg`
- D. none of the mentioned

Correct Answer : OPTION B, `va_start`

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