

Quiz

Quiz 4

Opens at: Jan 27, 2024, 00:00

Due on: Feb 1, 2024, 23:59

Total Score

6

Q1. Consider the C++ program below:

```
-----
#include <iostream>

using namespace std;

namespace first
{
    int val = 400;
}

namespace second
{
    int val = 300;
}

int val = 100;

int main()
{
    int val = 200;
    cout << val + first::val << endl;
    return 0;
}
-----
```

What is the output printed by this program?

Score: 1 Neg. Score: 0

- 400
- 500
- ✓ 600 (Your answer)
- 300

Q2. Consider the following program:

```
-----  
#include<iostream>  
using namespace std;  
  
class Tree {  
    long leaf_count;  
};  
  
int main() {  
    Tree t;  
    t.leaf_count = 500000;  
    cout << t.leaf_count << endl;  
    return 0;  
}  
-----
```

What will happen if you attempt to compile and run this program?

Score: 1 Neg. Score: 0

The compilation will be successful but there will be a runtime error during execution

500000 will be printed as output

Compilation will be successful and the execution will terminate without printing any value

✔ The compiler will throw an error (Your answer)

Your Score: 1

Q3. What is the return type of a constructor?

Score: 1 Neg. Score: 0

int

char

✔ no return type (Your answer)

void

Your Score: 1

Q4. What will be the outcome of executing the following C++ program?

```
-----  
#include <iostream>  
using namespace std;  
  
class Point  
{  
    int x, y;  
    public:  
        Point(int i = 0, int j = 0)  
        {  
            x = i;  
            y = j;  
        }  
        int getX() { return x; }  
        int getY() { return y; }  
};  
  
int main()  
{  
    Point p1;
```

```
Point p2 = p1;
cout << "x = " << p2.getX() << ", y = " << p2.getY() << endl;
return 0;
}
```

Score: 1 Neg. Score: 0

- Runtime error
- x = garbage value, y = garbage value
- ☒ x = 0, y = 0 (Your answer)
- Compilation error

Your Score: 1

Q5. How many member functions are there in the following class?

```
-----
class Box {
    double width;
public:
    friend void printWidth( Box box );
    void setWidth( double wid );
    double getWidth();
    friend void printCost (Box box);
};
-----
```

Score: 1 Neg. Score: 0

- ☒ 2 (Your answer)
- ☐ 3
- ☐ 4
- ☐ 1

Your Score: 1

Q6. Which of the following pointers refers to the object calling a member function?

Score: 1 Neg. Score: 0

- ☒ This Pointer (Your answer)
- ☐ Null Pointer
- ☐ Object Pointer
- ☐ Static Pointer

Your Score: 1