

Questions / Commands

Answer questions in the provided [lab_17_answer_sheet.txt](#) text file. I recommend you use Notepad++ with this file. Your name should be the first line in the file.

1. What is the output produced by the following program, given the different function definitions? If error, please state.

```
#include <iostream>
using std::cout;
```

```
void Output();
```

```
int main() {
    int my_var = 10;
    Output();
    cout << my_var;
    return 0;
}
```

a.

```
void Output() {
    my_var = 5;
    cout << my_var;
}
```

b.

```
void Output() {
    int my_var = 5;
    cout << my_var;
}
```

2. What is the output produced by the following code?

```
{
    int x = 1;
    cout << x << endl;
    {
        cout << x << endl;
        int x = 2;
        cout << x << endl;
        {
            cout << x << endl;
            int x = 3;
            cout << x << endl;
        }
        cout << x << endl;
    }
    cout << x << endl;
}
```

3. What is the output produced by the following code?

```
#include <iostream>
#include <string>
using std::cout;
using std::endl;
using std::string;

string word = "Global";

class Dummy {
public:
    void ClassOutput();
    string word;
};

void Output();

int main() {
    cout << word << endl;
    {
        string word = "Main()";
        cout << word << endl;
        Dummy object;
        object.word = "Dummy Class";
        Output();
        object.ClassOutput();
    }
    cout << word << endl;
    return 0;
}

void Output() {
    cout << word << endl;
    word = "Still Global?";
    string word = "Output()";
    cout << word << endl;
}

void Dummy::ClassOutput() {
    cout << word << endl;
    string word = "ClassOutput()";
    cout << word << endl;
    cout << this->word << endl;
}
```

4. What is the output produced by the following code? If error, please state.

```
for (int i = 0; i < 3; i++) {  
    cout << i << endl;  
}  
cout << i << endl;
```

5. What is the output produced by the following code? If error, please state.

```
int i = 0;  
for (int i = 0; i < 3; i++) {  
    cout << i << endl;  
}  
cout << i << endl;
```

6. What is the output produced by the following code? If error, please state.

```
int i;  
for (i = 0; i < 3; i++) {  
    cout << i << endl;  
}  
cout << i << endl;
```

Deliverables

Submit/Upload your plain text answer file. Your name should be the first line.