

# CIS 150 – Lab 1

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## Question 1:

Start Visual Studio on your Windows machine. Then follow the steps in “Getting Started with Visual Studio.pdf” to determine how you can create a project. The aforementioned PDF files are posted on Canvas under the “Files” section.

Create a project for Lab1. Then complete each question.

1. Copy and paste the following code. Make sure you fix any errors.

```
/*
 *Author:
 *Creation Date:
 *Modification Date:
 *Purpose:
 */
#include <iostream>

using namespace std;

int main()
{
    cout << "Hello World!" << endl;
    cout << "My first CIS 150 program!" << endl;

    system("pause");
    return 0;
}
```

2. To execute the application, on the Standard toolbar, click Debug -> Start without debugging
3. After viewing the application, close it
4. Provide a screen shot.

## Question 2:

Run the following program. Make sure you provide the information in the header. Fix any bug in the program. Provide a screenshot of the execution.

```
/* Author:
Creation Date:
```

Last Modification Date:

Purpose:

\*/

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
int main() {
```

```
    string first;
```

```
    cout << endl << "Please enter your first name: ";
```

```
    cin >> first;
```

```
    cout << "Hi " << first << ": I hope you will enjoy CIS 150 this semester." <<
endl;
```

```
    system("pause");
```

```
    return 0;
```

```
}
```

### Question 3:

Use the sample code given below to output this tree:

```
  *
 ***
*****
*****
```

### Sample code:

```
/* Author:
```

```
  Creation Date:
```

```
  Last Modification Date:
```

```
  Purpose:
```

```
*/
```

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    /* Type your code here. */
```

```
    system("pause");
```

```
    return 0;
```

```
}
```

### Submission of Your Work

You need to prepare ONE SINGLE MS word document using the provided template that contains:

1. Report.
2. Be sure to have your NAME on it – Never forget the “header” of the program.
3. Describe the filename containing the source code for each question – Always specify the question.

4. Paste in a screen shot after each section of code (only the actual output)

Upload the report to Canvas (in the lab section) under the respective Lab assignment.

Also, Upload your source code for each question (e.g. lab1q1.cpp, lab1q2.cpp, lab1q3.cpp)