**Programming with C++ Intro**

**IMPORTANT NOTES**

**To Start Visual Studio IDE**

1. Click ‘Start’
2. Click ‘All Programs’
3. Click ‘Microsoft Visual Studio 2019’
4. Launch ‘Microsoft Visual Studio 2019’ executable

**To Begin New Project**

1. Click ‘Create a new project’
2. Set language to C++
3. Select Empty project
4. Click Next
5. Name project “Chapter 1 Practice 1”
6. Click Create
7. In Solution Explorer, right click on Source
8. Click ‘Add -> New Item…’
9. Enter name as ‘Chapter 1 Practice 1’

**How to add Line Numbers**

1. In the toolbar Click ‘Tools -> Options…’
2. Click Text Editor
3. In the options menu, click “All Languages”
4. Check “Word Wrap” and “Line Numbers” Check Box.
5. Click OK

**How to Increase Font Size**

1. In the toolbar Click ‘Tools ->Options…’
2. Click Environment
3. Click ‘Fonts and Colors’
4. Adjust Font and size to desired
5. Click OK

**How to find the .exe file**

1. Search for ‘File Explorer’
2. Open (C:)) folder
3. Open ‘Users’ folder in (C:)) folder
4. Open ‘source’ folder
5. Open ‘repos’ folder
6. Open your programs folder
7. Open ‘Debug’ folder
8. Go into the ‘View’ Tab
9. Check ‘File name extensions’
10. Find .exe file

**The Golden 7 Lines (MUST MEMORIZE!)**

1. #include <iostream>
2. using namespace std;
3. int main()
4. {
5. system(“pause”);
6. return 0;
7. }

cout<< – (console output) Use this command when you wish to display output on the console.

\n – the command for line break

**Important questions**

a) What is <iostream> ?

<iostream> refers to the input and output library that can allow a C++ program to display output and take input.

b) What is namespace std; ?

The “namespace std;” stands for standard. All the files in C++ standard library declare their entities with std namespace, which is why it is included through “using namespace std;”.

c) what is the "int" for in the int main()?

The “int” in the int main() stands for integer. This also stands for the return type- integer in this case.

d) What is the return 0 for?

The return 0 is the return value for the int main(). This is to return a value for the function.