**Introduction to Computing  
Lab 1**

**Topics Covered:**

* **VISUAL STUDIO (File Creation and Submissions)**
* **Writing program in C++ ( cout, \n, \t, solving expressions )**
* **Correcting errors**

**Q1: A brief introduction to Visual studio, Version to use, installation guideline for home usage.**

**Q2: Practice the following on Visual Studio:**

1. Create a blank C++ file using Microsoft Visual Studio
2. Create and save a cpp File in default directory
3. Create and save a cpp file in any location other than default location
4. Upload the test file for submission on portal. (do not upload project just cpp file)

**Q3: Write C++ programs for the following problems.**

1. Display Hello World message on screen.

**Expected Output:**Hello World

1. Display Your Name, date of birth and mobile number on screen separated by comma as follows:

**Expected Output:**Ahmad, 5-06-1995, 0321-5673451

1. Display a horizontal line of ten consecutive asterisks on screen as follows:

**Expected Output:   
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1. Display ITC LAB 1 on screen enclosed in single quotes as follows:

**Expected Output:   
‘ITC LAB 1’**

1. Display ITC LAB 1 on screen enclosed in double quotes as follows:

**Expected Output:   
“ITC LAB 1”**

**Q4:** Write the following lines of codes one by one as it is and then analyze the output:

1. cout<< ‘This is my first ITC lab ‘
2. //cout<< ‘This is my first ITC LAB’
3. cout>> “987654321”;
4. cout<<” 9876  
    54321”;
5. cout<<” 9876”  
    “54321”;
6. cout<<” 9876”;  
    cout<<54321;
7. cout<<”test\t\test1”;
8. cout<<” ###### \n \*\*\*\*\*\* \n &&&&&&”;
9. cout<<” ###### \n &&&\t&&&”;
10. cout<<” 25+35”;
11. cout<< 100 + 200 ;
12. cout<<”40 \* 3”;  
    cout<<”=”;  
    cout<<40\*3;
13. cout<<10/5;
14. cout<<5/10;
15. cout<< k;