

National University



Of Computer & Emerging Sciences Chiniot - Faisalabad Campus

CL-1002 Programming Fundamentals - Lab Lab # 5

Objectives:

- Introduction to Visual Studio 2015.
- Basic Input/output
- Basic Arithmetic Operators
- Operators Precedence
- Set width, new line and tab etc.
- Practice tasks

Note: Carefully read the following instructions (Each instruction contains a weightage)

- 1. Use proper font family and font size of heading, sub heading and normal text.
- 2. First think about statement problem then write/draw your logic on copy.
- 3. Attach the screen shots of your code with execution.
- 4. File (Word) tittle should in proper format (23F-1001-Lab2)
- 5. You have to submit both (word + Project zip) files.
- 6. Do not copy from any source otherwise you will be penalized with negative marks.
- 7. Complete your lab within given Time Slot.

Problem: Write C++ code for the following statements

1. Detail understanding of Visual Studio.

(Marks 09)

- Create Project.
- Create multiple files
- Use of comments
- Build/rebuild project
- Step-into/over
- Breakpoints
- Open an existing project from its location.
- Create a zip file of your project.
- Create word file of your tasks (Screen shots)



National University



Of Computer & Emerging Sciences Chiniot - Faisalabad Campus

| 2. | Write a C++ code that displays the following output: a. Welcome to ICIT23 | | | | (Marks 03) | |
|----|---|---|--------------------------------|---------------------------|--|--|
| | b. | Welcome, Welcome to ICIT23 | to | ICIT23 | | |
| | Hint: you | can use \t or \n, end | II for tab or new line. | | | |
| 3. | format a. b. | | t create a variable c | of integer, set its value | e and display it using following (Marks 02) | |
| 4. | perfor display a. b. c. d. | m the followir ys their results Addition Subtraction Multiplicatior | ng arithmetic opera | _ | values of your own choice and les in separate variables and (Marks 06) | |
| 5. | calcula | Write a C++ code that take base and perpendicular height of a triangle from user an calculates its area. (Marks 02) Hint: use cin. Area of Triangle = $\frac{1}{2}$ * base * prependicular height | | | | |
| 6. | Use the concept of parentheses and operator precedence and sole the following task code: (Marks 0) a. $2*1+2$ (show the expected output and change the output with the help of parentheses ()) b. $81/5+16/4=9$ (here we have the equation, use parentheses to prove it) | | | | (Marks 05) of parentheses ()) | |
| | | | Best o | of Luck ☺ | | |

"A person who never made a mistake never tried anything new" – Albert Einstein