## Date: December 11, 2020 Total Marks: 15

**Total Time: 2 Hours**

**Course Instructor: Mr. Muhammad Wasif**

Name: MUHAMMAD HARIS IRFAN Roll No: FA18-BCE-090

**Instructions:**

1. Use online portal only to submit the lab exam and label the question number clearly to get marks.
2. Peer communication or plagiarized content from internet is strictly prohibited.
3. If viva voce needed, student can be called any time

|  |  |  |
| --- | --- | --- |
| **Questions No** | **Marks Obtained** | **Total Marks** |
| Q1 |  | 10 |
| Q2 |  | 05 |
| **Total** |  | **15** |

**OS Lab Sessional - 01**

**Question 01**

**Part 1: [1 \* 10] = 10**

Write a C/C++ program in which a parent process creates a child process using a fork() system call. The child process takes two numbers and an operator symbol as user input. Based on the operator symbol entered by user performing the operation on two numbers, return the result to main function and display the result on console screen. Operation can be Add, Subtract, Multiply, and Divide.

***CODE IS GIVEN BELOW***

Graphical user interface, text, application

Description automatically generated

**Graphical user interface, text, application

Description automatically generated**

**Terminal Outputs**

1. **For Addition**

**Text

Description automatically generated**

1. **For Multiplication**

**Text

Description automatically generated**

1. **Subtraction**

**Text

Description automatically generated**

1. **Division**

**Text

Description automatically generated**

**-------------------------------------------**

**Part 2: [1 \* 05]**

Write a C/C++ program that asks user to enter his name and his university name. Within the same program, execute another program that asks the user to enter his degree name and department name.

***Code is given below:***

***Code 1***

Graphical user interface, text, application, email

Description automatically generated

***Code 2***

Graphical user interface, text, application

Description automatically generated

**Terminal Output**

Text

Description automatically generated

**-------------------------------------------**

Good Luck ☺