**Government College University, Lahore**

**Operating Systems Lab.**

**Semester: 5th Session: 2019-23**

**Section: A/B/C**

**Assignment-3 (Individual)**

**Due Date:** Next Lab (Before 08:00 AM)

**Topic**: Fork System call.

**Task 1:**

1. Create a C file named “forkSysCall.c”. In this program:
   1. Create a new child process.
   2. Print "Process creation was unsuccessful" if child was not created.
   3. Print “Hello from the child” if child was created successfully.
   4. Block the parent process until child complete
   5. Terminate using exit system call.

**Task 2:**

Write a program in C to print natural numbers from 1 to 10 using for loop and create a fork( ). You will see numbers will be printed twice, because of fork( ), it will create duplicate copy of the process. Terminate using exit system call.

**Task 3:**

Write a program in C language which create 10 children by using the fork () system call.