**Operating Systems Lab**

**Lab Tasks 08:**

**System Calls, fork(), exec(), wait(), exit()**

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**Lab Instructor:**

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1. **Lab Task # 1:**
2. File name **1.c**

**Write a C++ program that uses two fork() calls . Each process should:**

1. Print its process ID (PID) and a loop value from 1 to 20.
2. **Lab Task # 2:**

File name **2.c**

**Write a C++ program that creates three child processes using the fork() system call. Each child process should:**

1. Print its own process ID (PID) and its parent process ID (PPID).
2. Terminate using exit().
3. After creating the child processes, the parent process should print its own PID.
4. **Lab Task # 3:**

**Explain the working of system calls with its types and examples according to your understanding.**