



Assignment No. 02  
SEMESTER SPRING 2012  
CS604- Operating System

Total Marks: 20

Due Date:  
Wednesday 25<sup>th</sup>  
April 2012

**Instructions**

Please read the following instructions carefully before submitting assignment:

**It should be clear that your assignment will not get any credit if:**

- The assignment is submitted after due date.
- The submitted assignment does not open or file corrupt.
- The assignment is copied.
- There is not mentioned the student Id in the assignment File or name of file is other than student ID.

**GOOD LUCK**

**Marks: 20**

**Question 1: [Marks 20]**

In Linux Ubuntu flavor, write a program in C language to do the following tasks.

- 1) Use fork ( ) system call to create a child process.
- 2) Child process should first take student name as input and then it should display student name that it takes from user. At last, child process should display numbers from 0 to 5.
- 3) Parent process should first take VU Student ID as input and then it should display VU Student ID that it takes from user. At last, parent process should display numbers from 6 to 10.
- 4) Output of the program should be like the one give below.

```
Enter Student Name: Mansoor Anwar
Student Name is: Mansoor Anwar
child: 0
child: 1
child: 2
child: 3
child: 4
child: 5
Enter Student ID: BC070651121
Student ID is: BC070651121
parent: 6
parent: 7
parent: 8
parent: 9
parent: 10
```

- 5) Execute this program on Linux Ubuntu. Take screen shots of your program that you write in C, Commands that you used to run your program in Linux Ubuntu and the out put displayed by your program. After taking screen shots, send these screen shots to me properly in your assignment.

**Note:**

- 1) Do not write your program in other languages like Java, C++ etc. Write your program only in C language.
- 2) Do not execute your program in other operating systems like Windows, Mac etc. Execute your program only in Linux Ubuntu flavor.
- 3) You should provide three screen shots. Required three screen shots that you should provide are given below.
  - i) Screen shot of your program that you write in C.
  - ii) Screen shot of Commands that you used to run your program in Linux Ubuntu.
  - iii) Screen shot of Final output of your program shown.
- 4) If the programs out put of any two students will be same then both of them will get zero marks. Similarly, if Student ID and Student Name displayed in final output of program will not mach with actual name and ID of student who submitted the assignment then that particular student will get zero marks. Moreover if you will copy your assignment then you will get zero marks.
- 5) If you will try to submit your assignment by editing screen shots of any other student then you will get zero marks.

**Uploading Instructions:**

**Paste your screen shots in word file and then Upload your assignment as a word file. It should have name [YourRollNo.doc]**

**Deadline**

**Your assignment must be uploaded/submitted at or before Wednesday 25<sup>th</sup> April 2012**