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ROLL NO: 19P-0085

SECTION: BSE-A

COURSE: OPERATING SYSTEM

INSTRUCTOR: DR.NOUMAN

ASSIGNMENT # 02:

FORK SYSTEM CALL:

QUESTION NO 01:

OUTPUT:

```
asjidtahir

asjidtahir@noman-siddique:~

asjidtahir@noman-siddique:~$ gcc ajji.c -o ajji
asjidtahir@noman-siddique:~$ ./ajji
my process id is 2022
my parents process id is 1995
asjidtahir@noman-siddique:~$
```

QUESTION NO 02:

```
1 /* fork: create a new process */
 2 #include <stdlib.h> /* needed to define exit() */
3 #include <unistd.h> /* needed for fork() */
 4 #include <sys/wait.h> /* needed for wait() */
 5 #include <stdio.h> /* needed for printf() */
6 int main(int argc, char **argv) [
 7 int pid; /* process ID */
 8 pid = fork();
                                                                                                                     asjidtahir@noman
 9 if(pid==0) /* FOR CHILD*/
10 {
                                                                               sjidtahir@noman-siddique:~$ gedit ajji1.c
11 printf(" CHILD PID IS :%d",getpid());
12 }
13 else /* FOR PARENT*/
15 printf(" PARENT PID IS :%d",getppid());
16 printf(" CHILD PID IS :%d",getpid());
17 }
18
19 if (pid == -1) {
20 perror("Error");
21 }
22 sleep(1);
23 exit(0);
```

OUTPUT:

```
asjidtahir@noman-siddique:~

asjidtahir@noman-siddique:~$ gcc ajji1.c -o ajji1
asjidtahir@noman-siddique:~$ ./ajji1
PARENT PID IS :2783
CHILD PID IS :2802
CHILD PID IS :2803)
asjidtahir@noman-siddique:~$
```

QUESTION NO 03:

OUTPUT:

