Submission Guidelines

Name of the File
:20BCE1798_CSE2005_Ex8_InterCommunicationProcess

Required Contents: Virtual Box

Reg No:20BCE1798
Name: ANSH GOEL
Course: CSE2005-Operating Systems (Embedded Lab)
Slot: L27+L28

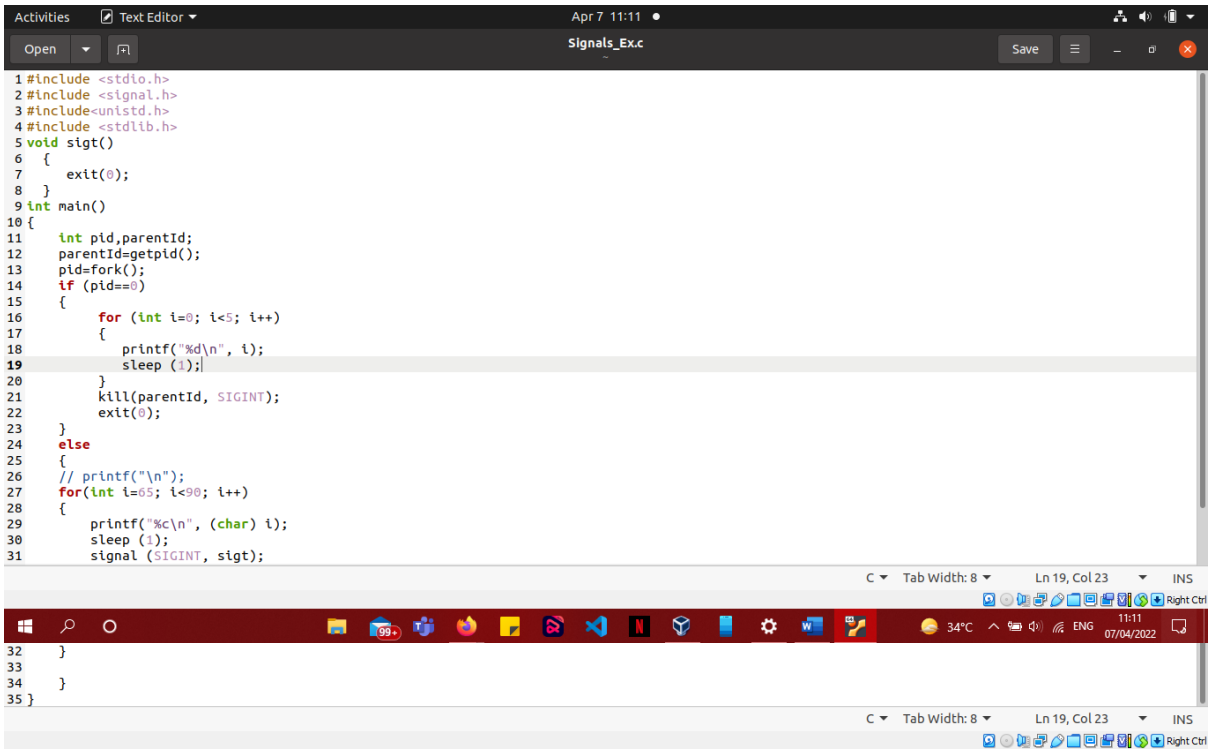
Ex No 2: Shell Programming
Date: 6th April,2022

1. Write a program which creates a child process and continues to run along with its child (choose any small task of your own). Once the child completes its task, it should send a signal to parent which in turn terminates the parent. (Expected output: output of the task carried out by the child process, termination of parent)

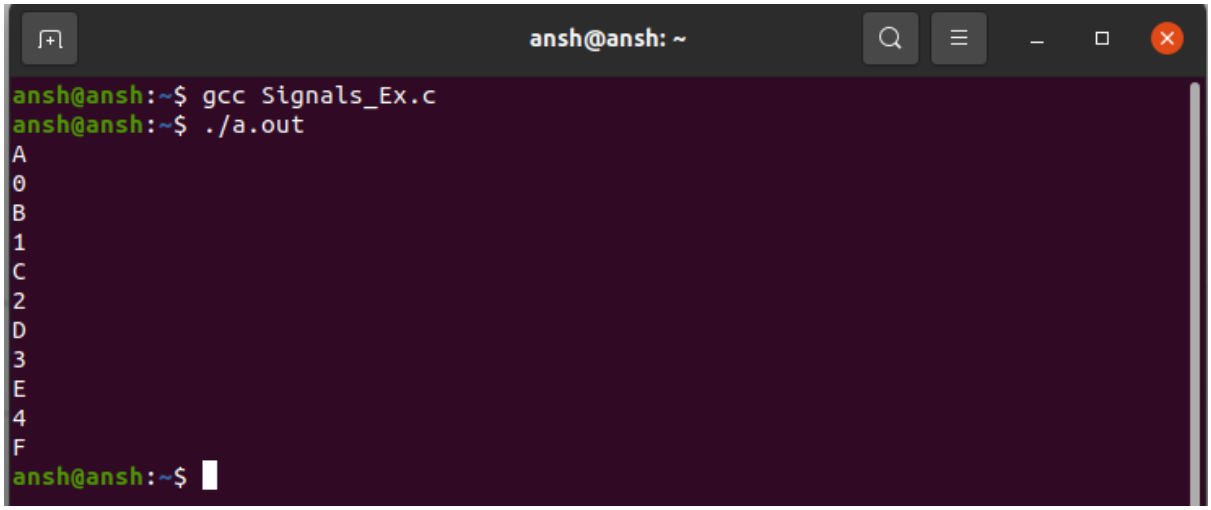
2. Write two c programs: One displaying the PID infinitely and the other program sending a signal to terminate the first program.(Note: Execute the programs in separate terminals)

Q1)

CODE:



OUTPUT:



Q2)

CODE:

*Ender.c

```c
#include <stdio.h>
#include <signal.h>
#include <unistd.h>
int main()
{
int pid;
    printf("Enter the process id to kill \n");
    scanf("%d",&pid);
    kill (pid, SIGQUIT);

}
```

Printer.c

```c
#include <stdio.h>
#include <signal.h>
#include <stdlib.h>
#include<unistd.h>
void sigit()
{
   exit(0);
}
int main()
{
  int pid,parentId;
  parentId=getpid();
  signal (SIGQUIT, sigit);
while (1)
  {
   printf("process id is : %d\n", parentId);
   sleep (1);
  }
}
```

OUTPUT: