Ayaz hasan 20k-1044 SE-5A

LAB 6

Task 1

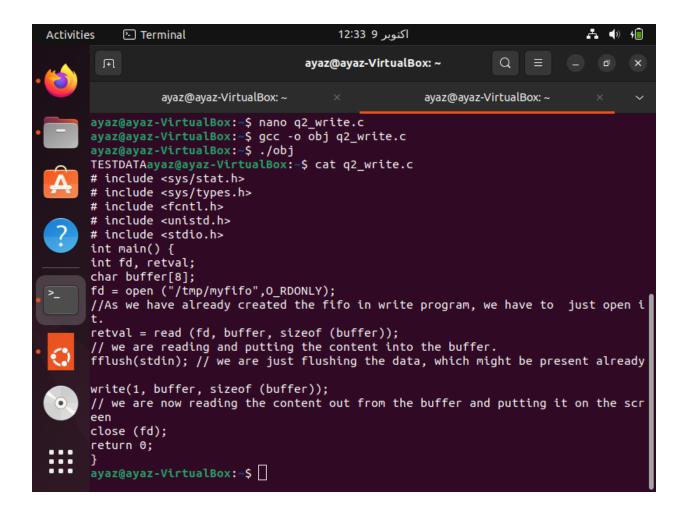
```
Activities
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    Terminal
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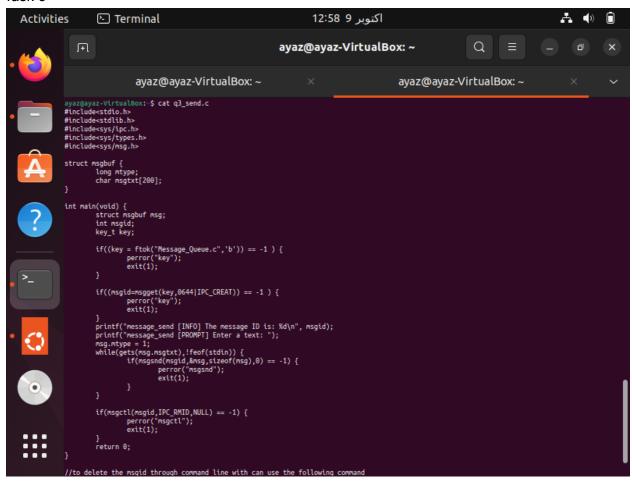
                                                                                                                           اكتوبر 9 12:25
                                                                                                                                                                                               Q ≡
                                                                                                             ayaz@ayaz-VirtualBox: ~
                      Ŧ
                ayaz@ayaz-VirtualBox:-$ gcc -o obj q1.c
ayaz@ayaz-VirtualBox:-$ ./obj
Input a number: 6
COT FROM CHILD PROCESS 6
ayaz@ayaz-VirtualBox:-$ cat q1.c
#include<stdio.h>
#include<stdio.h>
#include<wait.h>
#include<wait.h>
#include<stdib.h>
int main(int argc, char* argv[]){
int fd[2];
// fd[0] - read
// fd[1] - write
if (pipe(fd) == -1)
{
                  { printf("An error ocurred with opening the pipe\n"); return 1;
                   }
int id = fork();
if (id == 0)
                }
close(fd[1]);
                  close(fd[1]);
  int y;
if(read(fd[0],&y,sizeof(int))==-1){
                               printf("Error Occured While reading");
return 2;
                               close(fd[0]);
printf("GOT FROM CHILD PROCESS %d \n",y);
                  }
return Θ;
```

Task 2

```
Activities
          Terminal
                                          اكتوبر 9 12:31
                                     ayaz@ayaz-VirtualBox: ~
                                                                 Q
       Ŧ
                                               ayaz@ayaz-VirtualBox: ~
                ayaz@ayaz-VirtualBox: ~
      ayaz@ayaz-VirtualBox:~$ cat q2.c
      # include <stdio.h>
      # include <sys/stat.h>
      # include <sys/types.h>
      # include <fcntl.h>
      # include <unistd.h>
      int main () {
      int fd, retval;
      char buffer [8] = "TESTDATA";
      fflush (stdin);
      retval = mkfifo ("/tmp/myfifo", 0666);
      // We have to create the fifo. we are permitted to create in
      // /tmp directory alone. And we have given permissions 0666.
      fd = open ("/tmp/myfifo",O_WRONLY);
      // As the fifo is already created, we can just open it now.
      // and the location of the file is "/tmp/myfifo"
      // we can try the same step out there from Command Prompt as well.
      write (fd,buffer,sizeof(buffer));
      // we are now writing Into the fifo.
      // That is the fd is the point of identification.
      close (fd);
      return 0;
      ayaz@ayaz-VirtualBox:~$
```



Task 3



```
ayaz@ayaz-VirtualBox:-$ cat q3_read.c
#includesctditb.h>
#includescys/tpc.h>
#includescys/tpcs.h>
#includescys/tpcs.h
#includescys/tpcs.h
#includescys/tpcs.h
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#includescys/tpcs.h
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#includescys/tpcs.
```

Task 4

