EXPERIMENT 4
I/O SYSTEM CALLS

AIM
write programs using I/O using System calls of Linux OS (open, read, write & close)

ALGORITHM
STEP 0: START
STEP 1: Declare 'wbuf' character array to store data to write into file and 'rbuf' to read from file
STEP 2: Open 'file.txt' in read/write mode using open() function and store to file descriptor 'fd'.
STEP 3: Input contents to write in 'wbuf' array
STEP 4: Input content by calling write() with parameters 'wbuf', file descriptor fd and size
STEP 5: close fd
STEP 6: Reopen the 'file.txt' in read/write mode
STEP 7: Store it in fd2 file descriptor
STEP 8: Read the content into 'rbuf' array
STEP 9: Display content of rbuf
STEP 10: END

```
#include<stdio.h>
#include<sys/types.h>
#include<unistd.h>
#include<sys/stat.h>
#include<string.h>
#include<fcntl.h>
void main()
{       int fd,fd2; char wbuf[128],rbuf[128];
        int a=create("f.txt",O_CREATE);
        fd=open("f.txt",O_RDWR);
        printf("Enter the content to write: ");
        gets(wbuf);
        write(fd,wbuf,strlen(wbuf));
        close(fd);
        fd2=open("f.txt",O_RDWR);
        printf("Contents: ");
        read(fd2,rbuf,100); printf("%s\n",rbuf); close(fd2);      }
```