LABORATOR 8

**Sa se scrie un program care duplica intr-un fisier octetii aflati la adrese impare. Numele fisierului se va transmite programului ca si parametru in linia de comanda.**

#include<stdio.h>

#include<string.h>

#include<stdlib.h>

#include<sys/types.h>

#include<sys/stat.h>

#include<fcntl.h>

#include<unistd.h>

int main(int argc,char\* argv[])

{

char\* a=argv[1];

int fd,i,j,fl;

char \*buf,\*buf2;

ssize\_t nocteti;

buf2=malloc(200);

buf=malloc(101);

if(buf==NULL)

{perror("malloc");

exit(EXIT\_FAILURE);

}

fd=open(a,O\_RDWR);

if(fd<0)

{

perror("open");

exit(EXIT\_FAILURE);

}

nocteti=read(fd,buf,100);

if(nocteti<0)

{perror("read");

exit(EXIT\_FAILURE);

}

buf[nocteti]='\0';

printf("sirul citit este\n");

printf(buf);

j=0;

for(i=0;i<nocteti;i++)

if(i%2!=0)

{

buf2[j]=buf[i];

buf2[j+1]=buf[i];

j=j+2;}

else

{buf2[j]=buf[i];

j=j+1;}

buf2[strlen(buf2)-1]='\0';

close(fd);

fl=open(a,O\_WRONLY);

write(fl,buf2,strlen(buf2)-1);

close(fl);

free(buf2);

free(buf);

return 0;

}