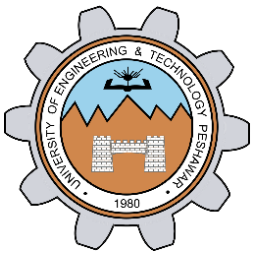
SP LAB 5



Submitted by: **ALI**

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Registration No:

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Section: **C**

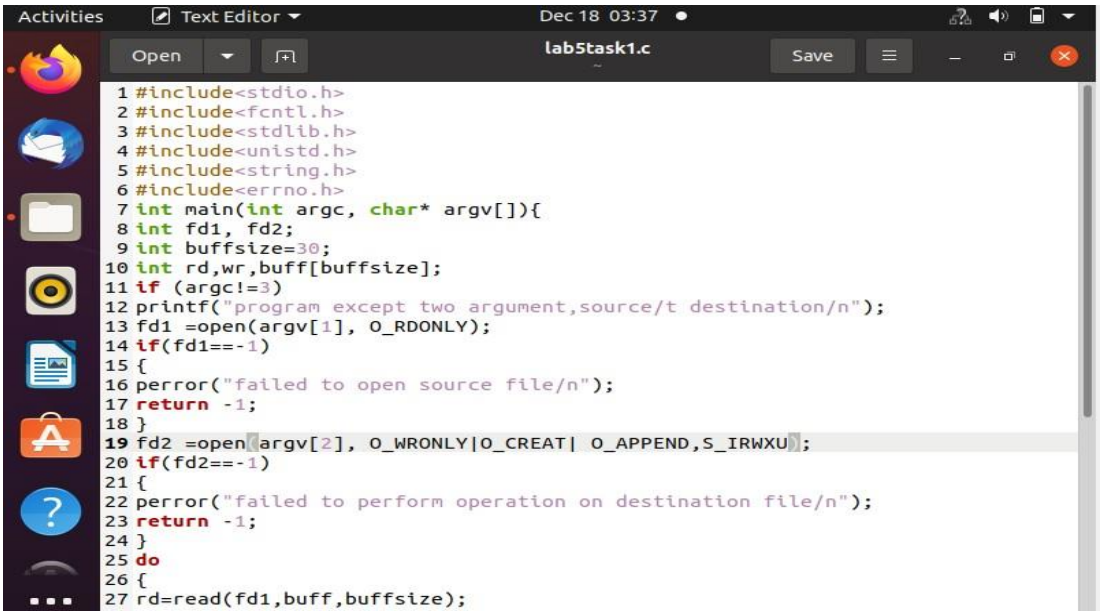
Submitted to:

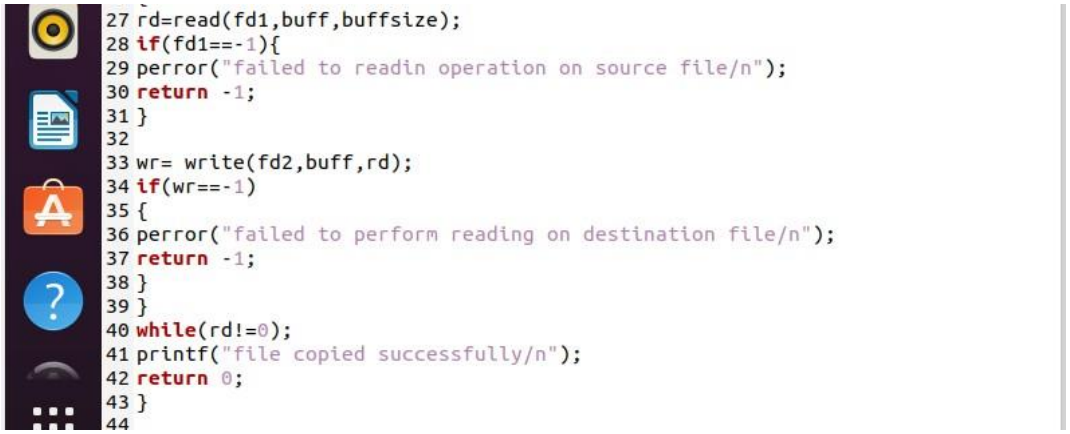
Engr. Abdullah Hamid

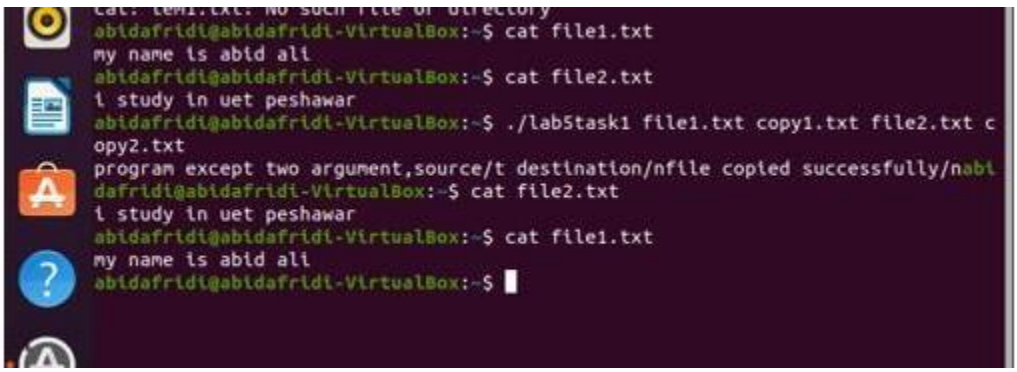
“On my honor , as student of University of Engineering and Technology, I have neither given nor received unauthorized assistance on this academic work”

Department of Computer Systems Engineering
University of Engineering and Technology Peshawar

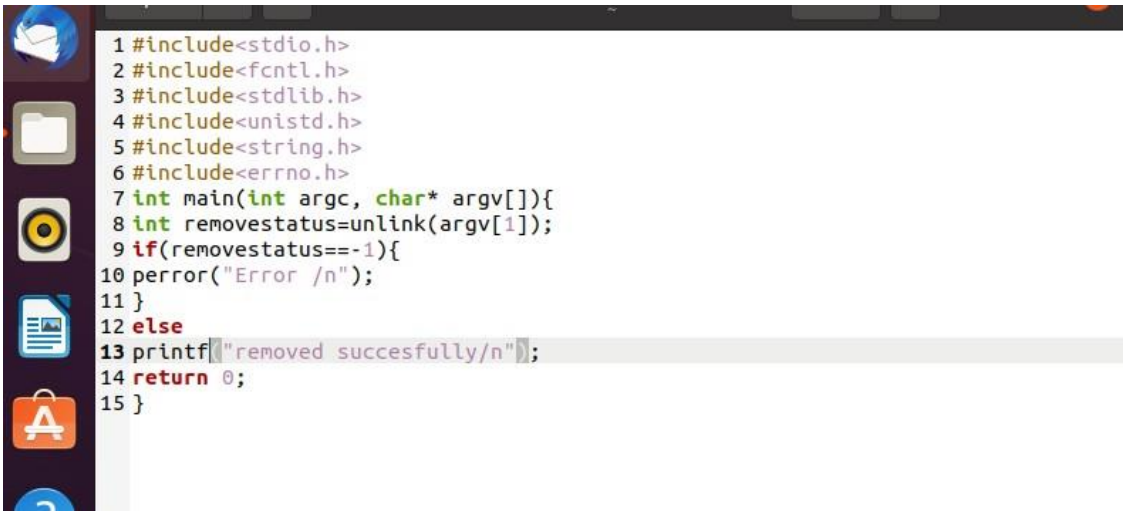
task1;


Activities
Text Editor
Dec 18 03:37
Open
lab5task1.c
Save
1 #include<stdio.h>
2 #include<fcntl.h>
3 #include<stdlib.h>
4 #include<unistd.h>
5 #include<string.h>
6 #include<errno.h>
7 int main(int argc, char* argv[]){
8 int fd1, fd2;
9 int buffsize=30;
10 int rd,wr,buff[buffsize];
11 if (argc!=3)
12 printf("program except two argument,source/t destination/n");
13 fd1 =open(argv[1], O_RDONLY);
14 if(fd1==-1)
15 {
16 perror("failed to open source file/n");
17 return -1;
18 }
19 fd2 =open(argv[2], O_WRONLY|O_CREAT| O_APPEND,S_IRWXU);
20 if(fd2==-1)
21 {
22 perror("failed to perform operation on destination file/n");
23 return -1;
24 }
25 do
26 {
27 rd=read(fd1,buff,buffsize);


27 rd=read(fd1,buff,buffsize);
28 if(fd1==-1){
29 perror("failed to readin operation on source file/n");
30 return -1;
31 }
32
33 wr= write(fd2,buff,rd);
34 if(wr==-1)
35 {
36 perror("failed to perform reading on destination file/n");
37 return -1;
38 }
39 }
40 while(rd!=0);
41 printf("file copied successfully/n");
42 return 0;
43 }
44

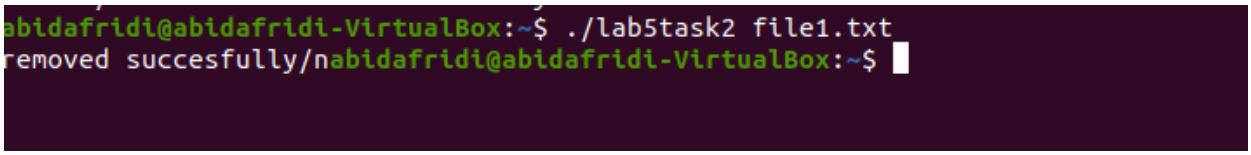

abidafridi@abidafridi-VirtualBox:~$ cat file1.txt
my name is abid ali
abidafridi@abidafridi-VirtualBox:~$ cat file2.txt
i study in uet peshawar
abidafridi@abidafridi-VirtualBox:~$ ./lab5task1 file1.txt copy1.txt file2.txt c
opy2.txt
program except two argument,source/t destination/nfile copied successfully/nabi
dafridi@abidafridi-VirtualBox:~$ cat file2.txt
i study in uet peshawar
abidafridi@abidafridi-VirtualBox:~$ cat file1.txt
my name is abid ali
abidafridi@abidafridi-VirtualBox:~$

Task2;



```c
#include<stdio.h>
#include<fcntl.h>
#include<stdlib.h>
#include<unistd.h>
#include<string.h>
#include<errno.h>
int main(int argc, char* argv[]){
int removestatus=unlink(argv[1]);
if(removestatus==-1){
perror("Error /n");
}
else
printf("removed succesfully/n");
return 0;
}
```

Out put:



```
abidafridi@abidafridi-VirtualBox:~$ ./lab5task2 file1.txt
removed succesfully/nabidafridi@abidafridi-VirtualBox:~$
```

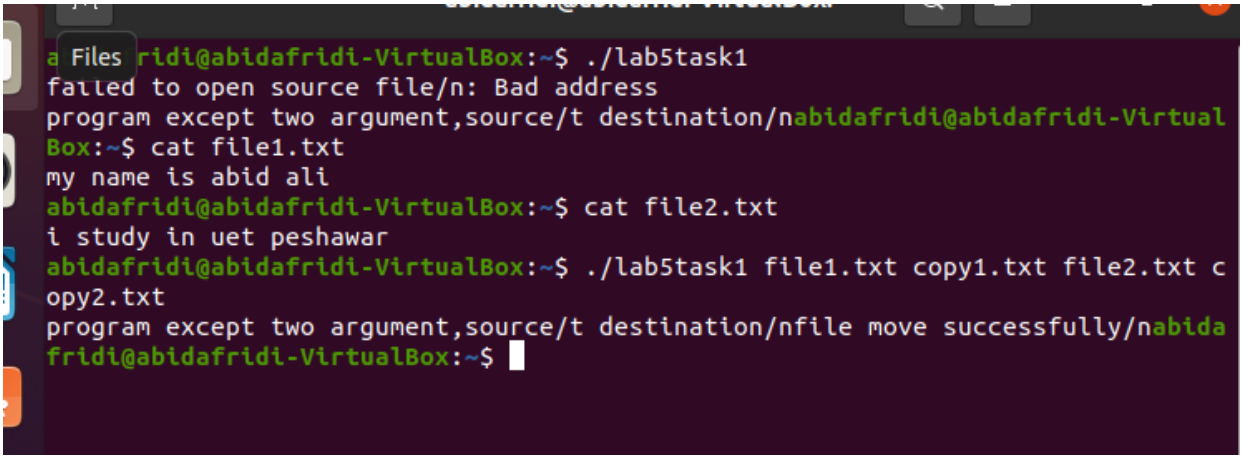
Task3;

```
#include<stdio.h>
#include<fcntl.h>
#include<stdlib.h>
#include<unistd.h>
#include<string.h>
#include<errno.h>
int main(int argc, char* argv[]){
int fd1, fd2;
int buffsize=30;
int rd,wr,buff[buffsize];
if (argc!=3)
printf("program except two argument,source/t destination/n");
fd1 =open(argv[1], O_RDONLY);
if(fd1==-1)
{
perror("failed to open source file/n");
return -1;
}
fd2 =open(argv[2], O_WRONLY|O_CREAT| O_APPEND,S_IRWXU);
if(fd2==-1)
{
perror("failed to perform operation on destination file/n");
return -1;
}
```

```
do
{
rd=read(fd1,buff,buffsize);
if(fd1==-1){
perror("failed to readin operation on source file/n");
return -1;
}

wr= write(fd2,buff,rd);
if(wr==-1)
{
perror("failed to perform reading on destination file/n");
return -1;
}
}
while(rd!=0);
int removestatus=unlink(argv[1]);
if(removestatus==-1){
perror("Error /n");
}
else
printf("file moved succrssfully");
return 0;
```

Out Put:


Files
ridi@abidafridi-VirtualBox:~$ ./lab5task1
failed to open source file/n: Bad address
program except two argument,source/t destination/nabidafridi@abidafridi-Virtual
Box:~$ cat file1.txt
my name is abid ali
abidafridi@abidafridi-VirtualBox:~$ cat file2.txt
i study in uet peshawar
abidafridi@abidafridi-VirtualBox:~$ ./lab5task1 file1.txt copy1.txt file2.txt c
opy2.txt
program except two argument,source/t destination/nfile move successfully/nabida
fridi@abidafridi-VirtualBox:~$