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WAQAS ASHIQ

Roll No:

Fa11-Ciit-DDP-BCS-201

Section:

C

Submitted To:

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**MYCOPYDIR:**

#include<stdio.h>

#include<stdlib.h>

#include<unistd.h>

#include<dirent.h>

#include<errno.h>

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

struct dirent \*direntp;

pid\_t childpid;

DIR \*dirp;

if((dirp = opendir(argv[1])) == NULL){

perror("Directory can not be opened");

return 1;

}

while((direntp=readdir(dirp))!=NULL){

if((childpid=fork())<=0)

break;

if(childpid=0){

execl("/home/waqasashiq/Desktop/mycopyfile.c","mycopyfile.c",direntp->d\_name,argv[2],NULL);

}

}

while((closedir(dirp)== -1) && (errno == EINTR))

return 0;

}

**MYCOPYFILE:**

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

#include<limits.h>

#include<sys/stat.h>

#include<fcntl.h>

#define size 1024

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

int bytes;

int fromfd;

int tofd;

char str[100];

char dstr[100];

strcpy(str,"/home/waqasashiq/Desktop/Source/");

strcat(str,argv[1]);

strcpy(dstr,"/home/waqasashiq/Desktop/Destination/");

strcat(dstr,argv[1]);

if(argc!=3){

fprintf(stderr,"usage: %s from file to file\n",argv[0]);

return 1;

}

if((fromfd=open(str,O\_RDONLY))== -1){

perror("Failed to open input files:");

return 1;

}

if((tofd=open(dstr,O\_WRONLY | O\_CREAT | O\_EXCL,S\_IRUSR | S\_IWUSR))== -1){

perror("Failed to creat the file");

return 1;

}

bytes = copyfile(fromfd,tofd);

return 0;

}

**MAKEFILE:**

all: mycopydir mycopyfile

mycopydir:mycopydir.o

gcc -o mycopydir mycopydir.o

mycopydir.o:mycopydir.c

gcc -c mycopydir.c

mycopyfile:mycopyfile.o

gcc -o mycopyfile mycopyfile.o

mycopyfile.o:mycopyfile.c

gcc -c mycopyfile.c