**OS ASSIGNMENT – 5**

**NAME :** SANMAT SANJAYAKUMAR PAYAGOUDAR

**SRN :** PES1UG20CS385

**SECTION :** G

**Q.** Write a c program to change the permissions of files in a directory created after a certain date. Inputs to the program : directory, date and new permissions to be set as run time arguments.

**CODE :**

#include<stdio.h>

#include<dirent.h>

#include<sys/types.h>

#include<sys/stat.h>

#include<time.h>

#include<string.h>

#include<stdlib.h>

int main(){

DIR \*dir;

struct dirent \*dirent;

struct stat statbuf;

char path[100];

char date[100];

printf("Enter the path: ");

scanf("%s", path);

printf("Enter the date in dd/mm/yyyy format: ");

scanf("%s", date);

printf("Enter access modes as a 4 digit number:");

int mode = scanf("%d", &mode);

dir = opendir(path);

if(dir == NULL)

{

printf("Error in opening the directory\n");

return 1;

}

while((dirent = readdir(dir)) != NULL)

{

if(stat(dirent->d\_name,&statbuf) == -1)

{

printf("Error in stat\n");

return 1;

}

if(strcmp(date,ctime(&statbuf.st\_ctime)) <= 0)

{

printf("%s\n", dirent->d\_name);

chmod(path, mode);

}

}

closedir(dir);

return 0;

}

**OUTPUT :**

