#include<stdio.h>

#include<string.h>

struct

{

char dname[10],fname[10][10];

int fcnt;

}dir;

int main()

{

int i,ch,exit=0;

char f[30];

dir.fcnt = 0;

printf("\nEnter name of directory -- ");

scanf("%s", dir.dname);

while(exit!=1)

{

printf("\n1.Create File\t2.Delete File\t3.Search File\t4.Display Files\t5.Exit\n\nEnter your choice -- ");

scanf("%d",&ch);

switch(ch)

{

case 1: printf("\n Enter the name of the file -- ");

scanf("%s",dir.fname[dir.fcnt]);

dir.fcnt++;

break;

case 2: printf("\n Enter the name of the file -- ");

scanf("%s",f);

for(i=0;i<dir.fcnt;i++)

{

if(strcmp(f, dir.fname[i])==0)//strings are equal

{

printf("\nFile %s is deleted\n",f);

strcpy(dir.fname[i],dir.fname[dir.fcnt-1]);

//(destination, source)

break;

}

}

if(i==dir.fcnt)//last index

printf("\nFile %s not found\n",f);

else

dir.fcnt--;//reducing the file count

break;

case 3: printf("\n Enter the name of the file -- ");

scanf("%s",f);

for(i=0;i<dir.fcnt;i++)

{

if(strcmp(f, dir.fname[i])==0)//strings are equal

{

printf("\nFile %s is found\n", f);

break;

}

}

if(i==dir.fcnt)//last index

printf("\nFile %s not found\n",f);

break;

case 4: if(dir.fcnt==0)

printf("\n Directory Empty\n");

else

{

printf("\n The Files are ");

for(i=0;i<dir.fcnt;i++)

printf("%s\n",dir.fname[i]);

}

break;

default: exit=1;

}

}

return 0;

}