21.Construct a C program to organize the file using single level directory.

**PROGRAM:**

**#include<stdlib.h>**

**#include<string.h>**

**#include<stdio.h>**

**struct**

**{**

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

**int fcnt;**

**}dir;**

**int main()**

**{**

**int i,ch;**

**char f[30];**

**dir.fcnt = 0;**

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

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

**while(1)**

**{**

**printf("\n\n1. Create File\t2. Delete File\t3. Search File \n 4. Display Files\t5. Exit\nEnter your choice -- ");**

**scanf("%d",&ch);**

**switch(ch)**

**{**

**case 1: printf("\nEnter the name of the file -- ");**

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

**dir.fcnt++;**

**break;**

**case 2: printf("\nEnter the name of the file -- ");**

**scanf("%s",f);**

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

**{**

**if(strcmp(f, dir.fname[i])==0)**

**{**

**printf("File %s is deleted ",f);**

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

**if(i==dir.fcnt) printf("File %s not found",f);**

**else**

**dir.fcnt--;**

**break;**

**case 3: printf("\nEnter the name of the file -- ");**

**scanf("%s",f);**

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

**{**

**if(strcmp(f, dir.fname[i])==0)**

**{**

**printf("File %s is found ", f);**

**break;**

**}**

**}**

**if(i==dir.fcnt)**

**printf("File %s not found",f);**

**break;**

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

**printf("\nDirectory Empty");**

**else**

**{**

**printf("\nThe Files are -- ");**

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

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

**}**

**break;**

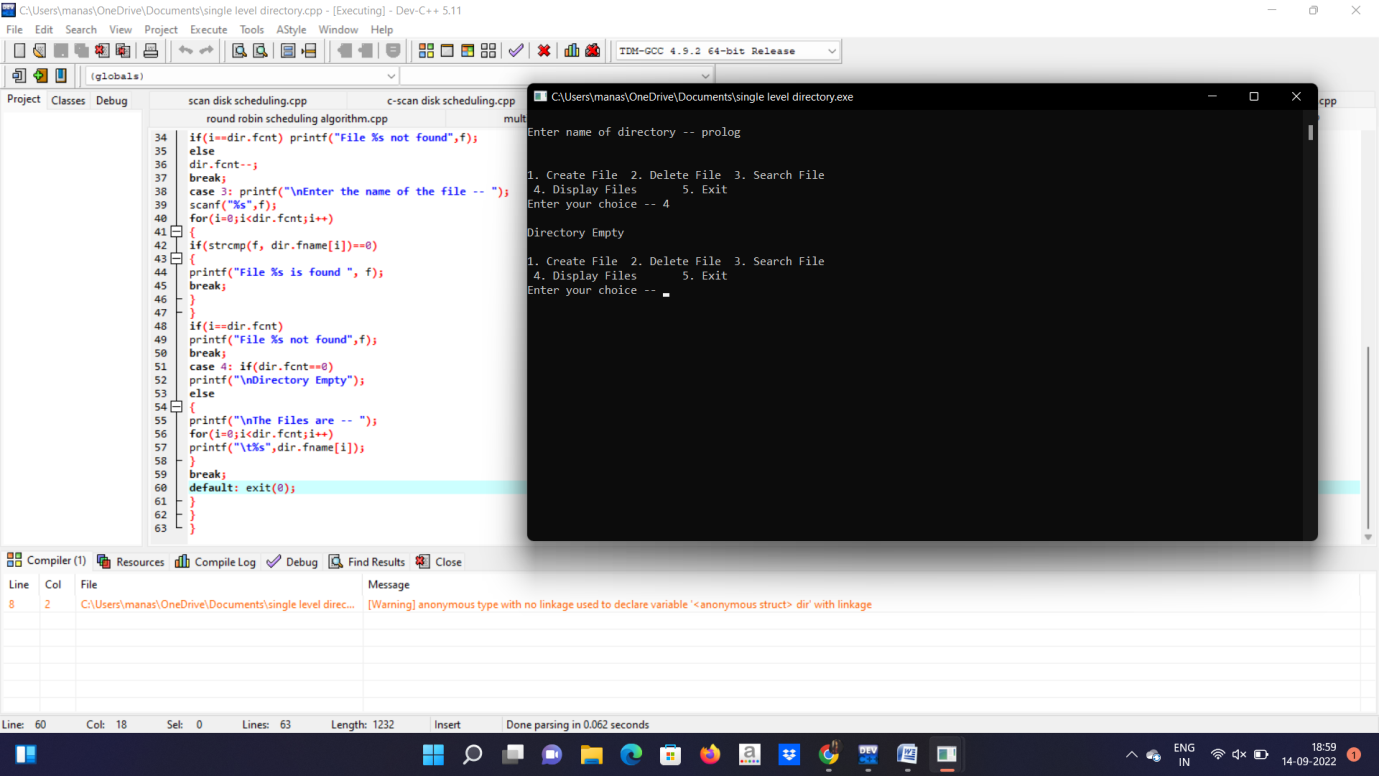
**default: exit(0);**

**}**

**}**

**}**

**OUTPUT:**

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