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// Batch : A3
// Roll No. : 65
// Class(Sec.) : TE(A)

#include<stdio.h>
#include<conio.h>
#include<string.h>
#include<stdlib.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\n4.
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;
    }
}

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        default:
        exit(0);
    }
}
getch();
}
//Output :-
//Enter name of directory -- CSE
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 1
//
//Enter the name of the file -- A
//
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 1
//
//Enter the name of the file -- B
//
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 1
//
//Enter the name of the file -- C
//
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 4
//
//The Files are --          A          B          C
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 3
//
//Enter the name of the file -- ABC
//File ABC not found
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 2
//
//Enter the name of the file -- B
//File B is deleted
//
//1. Create File  2. Delete File  3. Search File
//4. Display Files      5. Exit
//Enter your choice -- 5
//
//.....
//Process exited after 250.4 seconds with return value 0
//Press any key to continue . . .

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