CODE::::

```c
// C program for the above approach
#include <stdio.h>
#include <stdlib.h>
#include <string.h>
#include <windows.h>

// Structure of the employee
struct emp {
        char name[50];
        float salary;
        int age;
        int id;
};
struct emp e;

// size of the structure
long int size = sizeof(e);

// In the start coordinates
// will be 0, 0
COORD cord = { 0, 0 };

// function to set the
// coordinates
void gotoxy(int x, int y)
{
        cord.X = x;
        cord.Y = y;
        SetConsoleCursorPosition(
                GetStdHandle(STD_OUTPUT_HANDLE),
                cord);
}

FILE *fp, *ft;

// Function to add the records
void addrecord()
{
        system("cls");
        fseek(fp, 0, SEEK_END);
        char another = 'y';
```

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        while (another == 'y') {
                printf("\nEnter Name : ");
                scanf("%s", e.name);

                printf("\nEnter Age : ");
                scanf("%d", &e.age);

                printf("\nEnter Salary : ");
                scanf("%f", &e.salary);

                printf("\nEnter EMP-ID : ");
                scanf("%d", &e.id);

                fwrite(&e, size, 1, fp);

                printf("\nWant to add another"
                        " record (Y/N) : ");
                fflush(stdin);

                scanf("%c", &another);
        }
}

// Function to delete the records
void deleterecord()
{
        system("cls");
        char empname[50];
        char another = 'y';

        while (another == 'y') {
                printf("\nEnter employee "
                        "name to delete : ");
                scanf("%s", empname);

                ft = fopen("temp.txt", "wb");
                rewind(fp);

                while (fread(&e, size,
                                        1, fp)
                        == 1) {
                        if (strcmp(e.name,
                                        empname)
```

```c
                            != 0)
                                fwrite(&e, size, 1, ft);
            }

            fclose(fp);
            fclose(ft);
            remove("data.txt");
            rename("temp.txt", "data.txt");
            fp = fopen("data.txt", "rb+");

            printf("\nWant to delete another"
                    " record (Y/N) :");
            fflush(stdin);
            another = getche();
        }
}

// Function to display the record
void displayrecord()
{
        system("cls");

        // sets pointer to start
        // of the file
        rewind(fp);

        printf("\n========================="
                "=========================="
                "======");
        printf("\nNAME\t\tAGE\t\tSALARY\t\t"
                "\tID\n",
                e.name, e.age,
                e.salary, e.id);
        printf("==========================="
                "=========================="
                "====\n");

        while (fread(&e, size, 1, fp) == 1)
                printf("\n%s\t\t%d\t\t%.2f\t%10d",
                        e.name, e.age, e.salary, e.id);

        printf("\n\n\n\t");
        system("pause");
}
```

```c
// Function to modify the record
void modifyrecord()
{
        system("cls");
        char empname[50];
        char another = 'y';

        while (another == 'y') {
                printf("\nEnter employee name"
                        " to modify : ");
                scanf("%s", empname);

                rewind(fp);

                // While File is open
                while (fread(&e, size, 1, fp) == 1) {
                        // Compare the employee name
                        // with ename
                        if (strcmp(e.name, empname) == 0) {
                                printf("\nEnter new name:");
                                scanf("%s", e.name);
                                printf("\nEnter new age :");
                                scanf("%d", &e.age);
                                printf("\nEnter new salary :");
                                scanf("%f", &e.salary);
                                printf("\nEnter new EMP-ID :");
                                scanf("%d", &e.id);

                                fseek(fp, -size, SEEK_CUR);
                                fwrite(&e, size, 1, fp);
                                break;
                        }
                }

                // Ask for modifying another record
                printf("\nWant to modify another"
                        " record (Y/N) :");
                fflush(stdin);
                scanf("%c", &another);
        }
}

// Driver code
```

```c
int main()
{
	int choice;

	// opening the file
	fp = fopen("data.txt", "rb+");

	// showing error if file is
	// unable to open.
	if (fp == NULL) {
		fp = fopen("data.txt", "wb+");
		if (fp == NULL) {
			printf("\nCannot open file...");
			exit(1);
		}
	}

	system("Color 3F");
	printf("\n\n\n\n\t\t\t============"
		"============================="
		"===========");
	printf("\n\t\t\t\t~~~~~~~~~~~~~~~~~~~"
		"~~~~~~~~~~~~~~~~~~~~~~~~~~~~"
		"~~~~~");
	printf("\n\t\t\t\t==================="
		"==========================="
		"=====");
	printf("\n\t\t\t\t[|:::>:::>:::>::> "
		"EMPLOYEE RECORD <::<:::<:::"
		"<:::|]\t");
	printf("\n\t\t\t\t==================="
		"==========================="
		"=====");
	printf("\n\t\t\t\t~~~~~~~~~~~~~~~~~~~"
		"~~~~~~~~~~~~~~~~~~~~~~~~~~~~~"
		"~~~");
	printf("\n\t\t\t\t==================="
		"============================\n");
	printf("\n\n\n\t\t\t\t\t\t\t\t\t"
		"Developer : @Sushant_Gaurav"
		"\n\n\t\t\t\t");

	system("pause");
```

```c
while (1) {
        // Clearing console and asking the
        // user for input
        system("cls");
        gotoxy(30, 10);
        printf("\n1. ADD RECORD\n");
        gotoxy(30, 12);
        printf("\n2. DELETE RECORD\n");
        gotoxy(30, 14);
        printf("\n3. DISPLAY RECORDS\n");
        gotoxy(30, 16);
        printf("\n4. MODIFY RECORD\n");
        gotoxy(30, 18);
        printf("\n5. EXIT\n");
        gotoxy(30, 20);
        printf("\nENTER YOUR CHOICE...\n");
        fflush(stdin);
        scanf("%d", &choice);

        // Switch Case
        switch (choice) {
        case 1:

                // Add the records
                addrecord();
                break;

        case 2:

                // Delete the records
                deleterecord();
                break;

        case 3:

                // Display the records
                displayrecord();
                break;

        case 4:

                // Modify the records
                modifyrecord();
                break;
```

```c
		case 5:
			fclose(fp);
			exit(0);
			break;

		default:
			printf("\nINVALID CHOICE...\n");
		}
	}

	return 0;
}
```

```
=================================================================
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
=================================================================
[|:::>:::>:::>::>   EMPLOYEE RECORD   <::<:::<:::<:::|]
=================================================================
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
=================================================================



          Press any key to continue . . .
```

```
1. ADD RECORD

2. DELETE RECORD

3. DISPLAY RECORDS

4. MODIFY RECORD

5. EXIT

ENTER YOUR CHOICE...
```

```
Enter Name : Aman

Enter Age : 18

Enter Salary : 50000

Enter EMP-ID : 1

Want to add another record (Y/N) : y

Enter Name : Aditya

Enter Age : 19

Enter Salary : 49000

Enter EMP-ID : 2

Want to add another record (Y/N) : n
```

```
==================================================
NAME            AGE          SALARY         ID
==================================================

Amann           18           51000.00       1
Aditya          19           49000.00       2
Gaurav          18           50000.00       3

        Press any key to continue . . .
```

```
Enter employee name to delete : Gaurav

Want to delete another record (Y/N) :
```

```
=================================================
NAME            AGE           SALARY        ID
=================================================

Amann           18            51000.00      1
Aditya          19            49000.00      2

        Press any key to continue . . .
```

```
=================================================
NAME              AGE            SALARY            ID
=================================================

Amann             18             51000.00                  1
Aditya            19             49000.00                  2


        Press any key to continue . . .
```

```
Enter employee name to modify : Aman

Enter new name:Amann

Enter new age :18

Enter new salary :51000

Enter new EMP-ID :1

Want to modify another record (Y/N) :n
```