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/*Name-Arslaan Naseem siddiqui
UIN-241P011
Roll no-11
Div-C
exp11*/

#include <stdio.h>

// Define a structure to hold employee details
struct employee {
    int id;
    char name[50];
    float salary;
};

// Function to add employee details to the file
void add_employee() {
    struct employee emp;
    FILE *file = fopen("employee_database.txt", "a");

    if (file == NULL) {
        printf("Error opening file!\n");
        return;
    }

    // Input employee details
    printf("Enter Employee ID: ");
    scanf("%d", &emp.id);
    printf("Enter Employee Name: ");
    getchar();
    gets(emp.name);
    printf("Enter Employee Salary: ");
    scanf("%f", &emp.salary);

    // Write employee data to the file
    fprintf(file, "%d %.2f %s\n", emp.id, emp.salary, emp.name);
    fclose(file);
    printf("Employee record added successfully!\n");
}

// Function to display all employee records from the file
void display_employees() {
    struct employee emp;
    FILE *file = fopen("employee_database.txt", "r");

    if (file == NULL) {
        printf("No employee records found!\n");
        return;
    }

    printf("\nEmployee Records:\n");
    printf("ID\tName\t\tSalary\n");
    printf("-----\n");

    // Read and display each employee record from the file
    while (fscanf(file, "%d %f %s", &emp.id, &emp.salary, emp.name) != EOF)
    {
        printf("%d\t%-15s%.2f\n", emp.id, emp.name, emp.salary);
    }

    fclose(file);
}

int main() {

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int choice;

printf("\t\t *** Employee Database *** \n\n");

while (1) {
    // Menu for user
    printf("\nEmployee Database Menu:\n");
    printf("1. Add Employee Record\n");
    printf("2. Display Employee Records\n");
    printf("3. Exit\n");
    printf("Enter your choice: ");
    scanf("%d", &choice);

    switch (choice) {
        case 1:
            add_employee();
            break;
        case 2:
            display_employees();
            break;
        case 3:
            printf("Exiting the program.\n");
            return 0;
        default:
            printf("Invalid choice! Please try again.\n");
    }
}

return 0;
}

```

/*output

*** Employee Database ***

```

Employee Database Menu:
1. Add Employee Record
2. Display Employee Records
3. Exit
Enter your choice: 1
Enter Employee ID: 1
Enter Employee Name: vicky
Enter Employee Salary: 250000
Employee record added successfully!

```

```

Employee Database Menu:
1. Add Employee Record
2. Display Employee Records
3. Exit
Enter your choice: 1
Enter Employee ID: 2
Enter Employee Name:Diddy
Enter Employee Salary: 500000
Employee record added successfully!

```

```

Employee Database Menu:
1. Add Employee Record
2. Display Employee Records
3. Exit
Enter your choice: 1
Enter Employee ID: 3
Enter Employee Name: salman abid
Enter Employee Salary: 350000

```

Employee record added successfully!

Employee Database Menu:

1. Add Employee Record
2. Display Employee Records
3. Exit

Enter your choice: 2

Employee Records:

ID	Name	Salary
2	diddy	500000.00
1	vicky	250000.00
3	salman abid	350000.00

Employee Database Menu:

1. Add Employee Record
2. Display Employee Records
3. Exit

Enter your choice: 3

Exiting the program.*/*