

expl1task1.c

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/*Name:Mirza Sumaiya
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#include
struct employee{
int id;
char name[50];
float salary;
};
void add_employee () {
struct employee emp;
FILE *file = fopen("employee_database.txt","a");
if (file == NULL) {
printf("Error opening file!\n");
return;
}
printf("Enter Employee ID: ");
scanf("%d", &emp.id);
printf ("Enter Employee Name: ");
getchar();
gets(emp.name);
printf("Enter Employee Salary: ");
scanf("%f", &emp.salary);
fprintf(file, "%d %.2f %s\n", emp.id, emp.salary, emp.name);
fclose(file);
printf("Employee record added successfully!\n");
}
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\tSalary\n");
printf("-----\n");
// Read and display each employee record from the file
while (fscanf (file, "%d %f %s\n", &emp.id, &emp.salary, emp.name) !=
EOF) {
printf("%d\t%-15%.2f\n", emp.id, emp.name, emp.salary);
}
fclose(file);
}
int main() {
int choice;
printf("\t\tEmployee Database \n\n");
while (1) {
printf("\nEmployee Database Menu:\n");
printf("1. Add Employee Record\n");

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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;
} /* Employee Database

```

Employee Database Menu:

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

Enter your choice: 1

Enter Employee ID: 101

warning: this program uses gets(), which is unsafe.

Enter Employee Name: joe

Enter Employee Salary: 340000

Employee record added successfully!

Employee Database Menu:

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

Enter your choice: 1

Enter Employee ID: 102

Enter Employee Name: max

Enter Employee Salary: 96000

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

101 joe 340000

102 max 96000

Employee Database Menu:

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

Enter your choice: 3

Exiting the program.*/