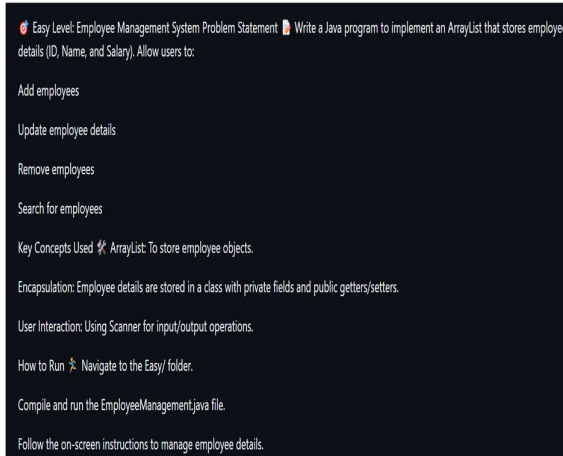


Assignment (Easy):



Code:

```
import java.util.ArrayList;
import java.util.Scanner;

class Employee {
    private int id;
    private String name;
    private double salary;

    Employee(int id, String name, double salary) {
        this.id = id;
        this.name = name;
        this.salary = salary;
    }

    public int getId() {
        return id;
    }

    public String getName() {
        return name;
    }

    public double getSalary() {
        return salary;
    }

    public void setName(String name) {
        this.name = name;
    }

    public void setSalary(double salary) {
        this.salary = salary;
    }

    public String toString() {
        return "ID: " + id + ", Name: " + name + ", Salary: " + salary;
    }
}

public class EmployeeManagement {
    static ArrayList<Employee> empList = new ArrayList<>();
    static Scanner sc = new Scanner(System.in);

    public static void main(String[] args) {
        while (true) {
```

```
            System.out.println("\n1. Add Employee");
            System.out.println("2. Update Employee");
            System.out.println("3. Remove Employee");
            System.out.println("4. Search Employee");
            System.out.println("5. Show All Employees");
            System.out.println("6. Exit");
            System.out.print("Enter choice: ");
            int choice = sc.nextInt();
```

```
            switch (choice) {
                case 1: addEmployee(); break;
                case 2: updateEmployee(); break;
                case 3: removeEmployee(); break;
                case 4: searchEmployee(); break;
                case 5: showAllEmployees(); break;
                case 6: System.out.println("Exiting..."); return;
                default: System.out.println("Invalid choice! Try again.");
            }
        }
    }
}
```

```
static void addEmployee() {
    System.out.print("Enter ID: ");
    int id = sc.nextInt();
    sc.nextLine();
    System.out.print("Enter Name: ");
    String name = sc.nextLine();
    System.out.print("Enter Salary: ");
    double salary = sc.nextDouble();

    empList.add(new Employee(id, name, salary));
    System.out.println("Employee added!");
}
```

```
static void updateEmployee() {
    System.out.print("Enter ID to update: ");
    int id = sc.nextInt();
    sc.nextLine();

    for (Employee emp : empList) {
        if (emp.getId() == id) {
            System.out.print("Enter new Name: ");
            emp.setName(sc.nextLine());
            System.out.print("Enter new Salary: ");
            emp.setSalary(sc.nextDouble());
            System.out.println("Updated successfully!");
            return;
        }
    }
    System.out.println("Employee not found!");
}
```

```
static void removeEmployee() {
    System.out.print("Enter ID to remove: ");
    int id = sc.nextInt();

    for (Employee emp : empList) {
        if (emp.getId() == id) {
            empList.remove(emp);
            System.out.println("Employee removed!");
            return;
        }
    }
    System.out.println("Employee not found!");
}
```

```
static void searchEmployee() {
    System.out.print("Enter ID to search: ");
    int id = sc.nextInt();
```

```

        for (Employee emp : emplList) {
            if (emp.getId() == id) {
                System.out.println("Employee Found: " + emp);
                return;
            }
        }
        System.out.println("Employee not found!");
    }

    static void showAllEmployees() {
        if (emplList.isEmpty()) {
            System.out.println("No employees found.");
        } else {
            for (Employee emp : emplList) {
                System.out.println(emp);
            }
        }
    }
}
}
}

```

Output:

```

PS D:\coding\java> cd "d:\coding\java\" ; if ($?) {
1. Add Employee
2. Update Employee
3. Remove Employee
4. Search Employee
5. Show All Employees
6. Exit
Enter choice: 1
Enter ID: 12381
Enter Name: Aayush Batra
Enter Salary: 35000
Employee added!

1. Add Employee
2. Update Employee
3. Remove Employee
4. Search Employee
5. Show All Employees
6. Exit
Enter choice: 5
ID: 12381, Name: Aayush Batra, Salary: 35000.0

1. Add Employee
2. Update Employee
3. Remove Employee
4. Search Employee
5. Show All Employees
6. Exit
Enter choice: 6
Exiting...
PS D:\coding\java>

```