

## Code-

```
import java.util.*;

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

    public 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;
    }

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

public class EmployeeManagement {
    private static final List<Employee> employees = new ArrayList<>();
    private static final Scanner sc = new Scanner(System.in);

    public 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();
employees.add(new Employee(id, name, salary));
}
```

```
public static void updateEmployee() {
System.out.print("Enter Employee ID to update: ");
int id = sc.nextInt();
sc.nextLine();
for (Employee e : employees) {
if (e.getId() == id) {
System.out.print("Enter New Name: ");
e.setName(sc.nextLine());
System.out.print("Enter New Salary: ");
e.setSalary(sc.nextDouble());
return;
}
}
System.out.println("Employee not found.");
}
```

```
public static void removeEmployee() {
System.out.print("Enter Employee ID to remove: ");
int id = sc.nextInt();
employees.removeIf(e -> e.getId() == id);
}
```

```
public static void searchEmployee() {
System.out.print("Enter Employee ID to search: ");
int id = sc.nextInt();
for (Employee e : employees) {
if (e.getId() == id) {
System.out.println(e);
return;
}
}
System.out.println("Employee not found.");
}
```

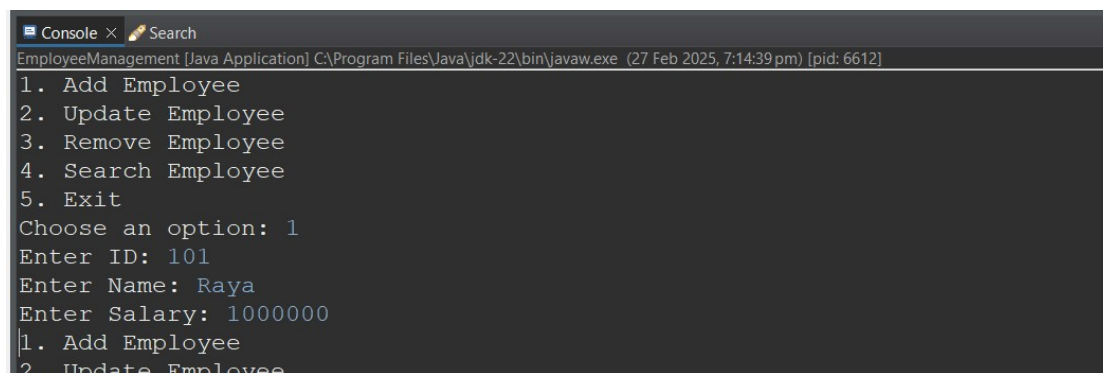
```
public static void main(String[] args) {
while (true) {
System.out.println("1. Add Employee\n2. Update Employee\n3. Remove Employee\n4. Search Employee\n5. Exit");
System.out.print("Choose an option: ");
```

```

int choice = sc.nextInt();
switch (choice) {
case 1 -> addEmployee();
case 2 -> updateEmployee();
case 3 -> removeEmployee();
case 4 -> searchEmployee();
case 5 -> System.exit(0);
default -> System.out.println("Invalid option.");
}
}
}
}
}

```

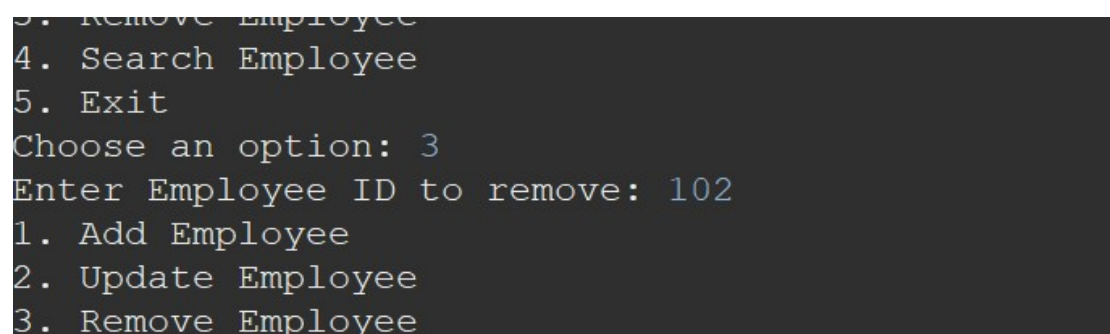
## Input/ Output



```

EmployeeManagement [Java Application] C:\Program Files\Java\jdk-22\bin\javaw.exe (27 Feb 2025, 7:14:39 pm) [pid: 6612]
1. Add Employee
2. Update Employee
3. Remove Employee
4. Search Employee
5. Exit
Choose an option: 1
Enter ID: 101
Enter Name: Raya
Enter Salary: 1000000
1. Add Employee
2. Update Employee

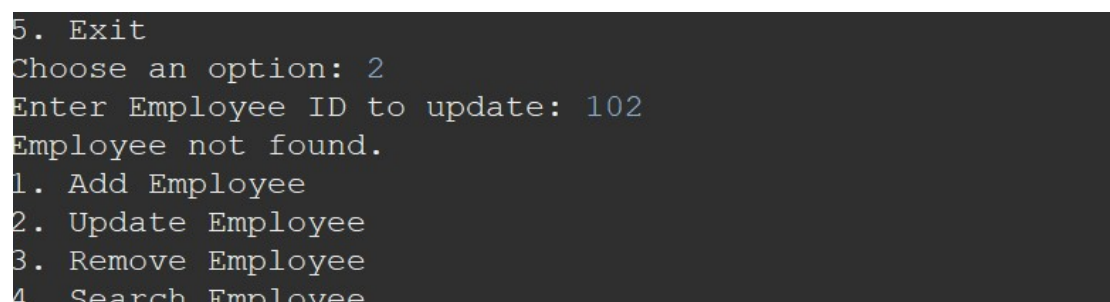
```



```

3. Remove Employee
4. Search Employee
5. Exit
Choose an option: 3
Enter Employee ID to remove: 102
1. Add Employee
2. Update Employee
3. Remove Employee

```



```

5. Exit
Choose an option: 2
Enter Employee ID to update: 102
Employee not found.
1. Add Employee
2. Update Employee
3. Remove Employee
4. Search Employee

```