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