public class Employee {

private int id;

private String name;

private String department;

private double salary;

public Employee(int id, String name, String department, double salary) {

this.id = id;

this.name = name;

this.department = department;

this.salary = salary;

}

public int getId() {

return id;

}

public String getName() {

return name;

}

public String getDepartment() {

return department;

}

public double getSalary() {

return salary;

}

@Override

public String toString() {

return "Employee{" +

"id=" + id +

", name='" + name + '\'' +

", department='" + department + '\'' +

", salary=" + salary +

'}';

}

}

import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

public class EmployeeManagement {

private List<Employee> employees;

private int nextId;

public EmployeeManagement() {

employees = new ArrayList<>();

nextId = 1;

}

public void addEmployee(String name, String department, double salary) {

Employee employee = new Employee(nextId++, name, department, salary);

employees.add(employee);

System.out.println("Employee added: " + employee);

}

public void listEmployees() {

if (employees.isEmpty()) {

System.out.println("No employees found.");

} else {

System.out.println("Employee List:");

for (Employee employee : employees) {

System.out.println(employee);

}

}

}

public void removeEmployee(int id) {

Employee toRemove = null;

for (Employee employee : employees) {

if (employee.getId() == id) {

toRemove = employee;

break;

}

}

if (toRemove != null) {

employees.remove(toRemove);

System.out.println("Employee removed: " + toRemove);

} else {

System.out.println("Employee with id " + id + " not found.");

}

}

public static void main(String[] args) {

EmployeeManagement management = new EmployeeManagement();

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("\nEmployee Management System");

System.out.println("1. Add Employee");

System.out.println("2. List Employees");

System.out.println("3. Remove Employee");

System.out.println("4. Exit");

System.out.print("Enter your choice: ");

int choice = scanner.nextInt();

scanner.nextLine(); // consume the newline

switch (choice) {

case 1:

System.out.print("Enter name: ");

String name = scanner.nextLine();

System.out.print("Enter department: ");

String department = scanner.nextLine();

System.out.print("Enter salary: ");

double salary = scanner.nextDouble();

management.addEmployee(name, department, salary);

break;

case 2:

management.listEmployees();

break;

case 3:

System.out.print("Enter employee ID to remove: ");

int id = scanner.nextInt();

management.removeEmployee(id);

break;

case 4:

System.out.println("Exiting...");

scanner.close();

System.exit(0);

default:

System.out.println("Invalid choice. Please try again.");

}

}

}

}