import java.util.Scanner;

class Employee {

String empId, empName;

int phone;

float salary;

public void accept() {

Scanner scanner = new Scanner(System.in);

System.out.println("Enter employee id:");

empId = scanner.next();

System.out.println("Enter employee name:");

empName = scanner.next();

System.out.println("Enter employee phone number:");

phone = scanner.nextInt();

System.out.println("Enter employee salary:");

salary = scanner.nextFloat();

scanner.nextLine(); // Consume newline

}

public void display() {

System.out.println("Employee ID: " + empId);

System.out.println("Employee Name: " + empName);

System.out.println("Employee Phone: " + phone);

System.out.println("Employee Salary: " + salary);

}

}

class Teaching extends Employee {

String domain;

int noPublications;

public void accept() {

super.accept();

Scanner scanner = new Scanner(System.in);

System.out.println("Enter domain:");

domain = scanner.nextLine();

System.out.println("Enter number of publications:");

noPublications = scanner.nextInt();

}

public void display() {

super.display();

System.out.println("Domain: " + domain);

System.out.println("Number of Publications: " + noPublications);

}

}

class Technical extends Employee {

String skills;

public void accept() {

super.accept();

Scanner scanner = new Scanner(System.in);

System.out.println("Enter skills:");

skills = scanner.nextLine();

}

public void display() {

super.display();

System.out.println("Skills: " + skills);

}

}

class Contract extends Employee {

int period;

public void accept() {

super.accept();

Scanner scanner = new Scanner(System.in);

System.out.println("Enter contract period:");

period = scanner.nextInt();

}

public void display() {

super.display();

System.out.println("Contract Period: " + period);

}

}

**public class EmployeeDetails** {

public static void main(String[] args) {

Teaching t1 = new Teaching();

Technical t2 = new Technical();

Contract t3 = new Contract();

System.out.println("Enter details for Teaching employee:");

t1.accept();

System.out.println("\nTeaching Employee details:");

t1.display();

System.out.println("\nEnter details for Technical employee:");

t2.accept();

System.out.println("\nTechnical Employee details:");

t2.display();

System.out.println("\nEnter details for Contract employee:");

t3.accept();

System.out.println("\nContract Employee details:");

t3.display();

}

}