

Program 3

Design a super class called Staff with details as StaffId, Name, Phone, Salary. Extend this class by writing three subclasses namely Teaching (domain, publications), Technical (skills), and Contract (period). Write a Java program to read and display at least 3 staff objects of all three categories.

Program code:

```
import java.util.Scanner;
class Staff
{
    String staffId;
    String name;
    long phone;
    float salary;
    public void accept()
    {
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter Staff Id: ");
        staffId = scanner.next();
        System.out.print("Enter Name: ");
        name = scanner.next();
        System.out.print("Enter Phone: ");
        phone = scanner.nextLong();
        System.out.print("Enter Salary: ");
        salary = scanner.nextFloat();
    }
    public void display()
    {
        System.out.println("Staff Id: " + staffId);
        System.out.println("Name: " + name);
        System.out.println("Phone: " + phone);
        System.out.println("Salary: " + salary);
    }
}
```

```

    }
}
class Teaching extends Staff
{
    String domain;
    int n;
    public void accept()
    {
        super.accept();
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter Domain: ");
        domain = scanner.next();
        System.out.print("Enter Number of Publications: ");
        n = scanner.nextInt();
        System.out.println("\n");
    }
    public void display()
    {
        super.display();
        System.out.println("Domain: " + domain);
        System.out.println("Publications:"+n);
        System.out.println("\n");
    }
}
class Technical extends Staff
{
    String skill;
    public void accept()
    {
        super.accept();
        Scanner scanner = new Scanner(System.in);
        System.out.print("Enter technical Skills: ");
        skill = scanner.nextLine();
    }
}

```

```

System.out.println("\n");
}
public void display()
{
super.display();
System.out.println("Technical Skills: " + skill);
System.out.println("\n");
}
}
class Contract extends Staff
{
int period;
public void accept()
{
super.accept();
Scanner scanner = new Scanner(System.in);
System.out.print("Enter Period: ");
period = scanner.nextInt();
System.out.println("\n");
}
public void display()
{
super.display();
System.out.println("Contract Period: " + period);
}
}
class Four
{
public static void main(String[] args)
{
Teaching teaching = new Teaching();
System.out.println("Enter the details of Teaching Staff");
teaching.accept();
}
}

```

```
Technical technical = new Technical();
System.out.println("Enter the details of Technical Staff");
technical.accept();
Contract contract = new Contract();
System.out.println("Enter the details of Contract Staff");
contract.accept();

System.out.println("The details of Teaching Staff");
teaching.display();
System.out.println("The details of Technical Staff");
technical.display();
System.out.println("The details of Contract Staff");
contract.display();
}
}
```