```java
class Product {
    private int id;
    private String name;
    private double price;

    public Product(int id, String name, double price) {
        this.id = id;
        this.name = name;
        this.price = price;
    }

    public void displayDetails() {
        System.out.println("Product Details:");
        System.out.println("ID: " + id);
        System.out.println("Name: " + name);
        System.out.println("Price: " + price);
    }
    public static void main(String[] args) {
        Product product = new Product(101, "Laptop", 75000);
        product.displayDetails();
    }
}
```

input

```
Product Details:
ID: 101
Name: Laptop
Price: 75000.0
```

```java
class Book {
    protected String title;
    protected String author;
    protected double price;

    public Book(String title, String author, double price) {
        this.title = title;
        this.author = author;
        this.price = price;
    }

    public void displayDetails() {
        System.out.println("Title: " + title);
        System.out.println("Author: " + author);
        System.out.println("Price: " + price);
    }
}

class Fiction extends Book {
    public Fiction(String title, String author, double price) {
        super(title, author, price);
    }

    @Override
    public void displayDetails() {
        System.out.println("Fiction Book Details:");
        super.displayDetails();
    }
}
class NonFiction extends Book {
    public NonFiction(String title, String author, double price) {
        super(title, author, price);
    }
```

```java
    @Override
    public void displayDetails() {
        System.out.println("Non-Fiction Book Details:");
        super.displayDetails();
    }
}

public class LibraryManagement {
    public static void main(String[] args) {
        Fiction fictionBook = new Fiction("Harry Potter", "J.K. Rowling", 500);
        NonFiction nonFictionBook = new NonFiction("Sapiens", "Yuval Noah Harari", 700);
        fictionBook.displayDetails();
        System.out.println();
        nonFictionBook.displayDetails();
    }
}
```

```
Fiction Book Details:
Title: Harry Potter
Author: J.K. Rowling
Price: 500.0

Non-Fiction Book Details:
Title: Sapiens
Author: Yuval Noah Harari
Price: 700.0
```

```java
import java.util.Scanner;
abstract class Person {
    protected String name;
    protected int age;

    public Person(String name, int age) {
        this.name = name;
        this.age = age;
    }

    public abstract void displayDetails();
}

class Student extends Person {
    private int rollNumber;

    public Student(String name, int age, int rollNumber) {
        super(name, age);
        this.rollNumber = rollNumber;
    }

    @Override
    public void displayDetails() {
        System.out.println("Student Details:");
        System.out.println("Name: " + name);
        System.out.println("Age: " + age);
        System.out.println("Roll Number: " + rollNumber);
    }
}
```

```java
class Teacher extends Person {
    private String subject;

    public Teacher(String name, int age, String subject) {
        super(name, age);
        this.subject = subject;
    }

    @Override
    public void displayDetails() {
        System.out.println("Teacher Details:");
        System.out.println("Name: " + name);
        System.out.println("Age: " + age);
        System.out.println("Subject: " + subject);
    }
}

public class StudentInfoSystem {
    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        System.out.println("Add Student:");
        System.out.print("Name: ");
        String studentName = scanner.nextLine();
        System.out.print("Age: ");
        int studentAge = scanner.nextInt();
        System.out.print("Roll Number: ");
        int rollNumber = scanner.nextInt();
        scanner.nextLine();

        Student student = new Student(studentName, studentAge, rollNumber);
```

```java
        Student student = new Student(studentName, studentAge, rollNumber);

        System.out.println("\nAdd Teacher:");
        System.out.print("Name: ");
        String teacherName = scanner.nextLine();
        System.out.print("Age: ");
        int teacherAge = scanner.nextInt();
        scanner.nextLine();
        System.out.print("Subject: ");
        String subject = scanner.nextLine();

        Teacher teacher = new Teacher(teacherName, teacherAge, subject);

        System.out.println();
        student.displayDetails();
        System.out.println();
        teacher.displayDetails();

        scanner.close();
    }
}
```

```
Add Student:
Name: vanshaj
Age: 12
Roll Number: 12

Add Teacher:
Name: kuch bhi
Age: 09
Subject: pta nii

Student Details:
Name: vanshaj
Age: 12
Roll Number: 12

Teacher Details:
Name: kuch bhi
Age: 9
Subject: pta nii
```