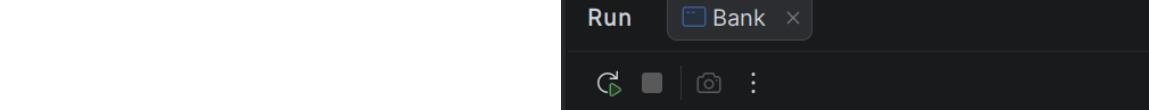


Problem#1

```
public class BankAccount {  
    String name;  
    String id;  
    double balance;  
    public BankAccount(String name, String id, double  
balance){  
        this.name = name;  
        this.id = id;  
        this.balance = balance;  
    }  
    public void deposit(double depAmount){  
        if(depAmount > 0){  
            balance += depAmount;  
            System.out.println("Deposited: " +depAmount);  
        }  
    }  
    public void withdraw (double withAmount){  
        if(withAmount > 0 && withAmount <= balance){  
            balance -= withAmount;  
            System.out.println("Withdrawn: " +withAmount);  
        }else{  
            System.out.println("Insufficient balance!");  
        }  
    }  
    public double getBalance(){  
        return balance;  
    }  
    public void displayInfo(){  
        System.out.println("Name: " + name + "; Id: " + id +  
"; Balance: " + balance);  
    }  
}
```

```
public class Bank {  
    public static void main(String[] args){  
        BankAccount account = new BankAccount("Saad",  
"24201212",10000);  
        account.withdraw(200);  
        account.displayInfo();  
        account.deposit(500);  
        System.out.println("Current Balance: "  
+account.getBalance());  
    }  
}
```



The screenshot shows the output window of a Java IDE. The title bar says "Run" and the tab is "Bank". The output text is:

```
"C:\Program Files\Java\jdk-25\bin\java.exe" "
Withdrawn: 200.0
Name: Saad; Id: 24201212; Balance: 9800.0
Deposited: 500.0
Current Balance: 10300.0

Process finished with exit code 0
```

Problem#2

```
import java.sql.Struct;

public class Student {
    String name;
    String id;
    String enrolledCourse;
    public Student(){
    }
    public Student(String name,String id){
        this.name = name;
        this.id = id;
    }
    public void enrolledCourse(String
enrolledCourse){
        this.enrolledCourse = enrolledCourse;
    }
    public void displayInfo(){
        System.out.println("Your name is " +name);
        System.out.println("Your Enrolled course "
+enrolledCourse);
        System.out.println("your id " +id);
    }
}
```

```
public class UapCse {
    public static void main(String[] args){
        Student std1 = new
Student("saad","24201212");
        std1.enrolledCourse("CSE");
        std1.displayInfo();
    }
}
```

Input	Output
	<p>Run UapCse ×</p> <p>G ☐ 📸 :</p> <p>↑ ↓ ← → ⏴ ⏵ ></p> <pre>"C:\Program Files\Java\jdk-25\bin\java Your name is saad Your Enrolled course CSE your id 24201212 Process finished with exit code 0</pre>

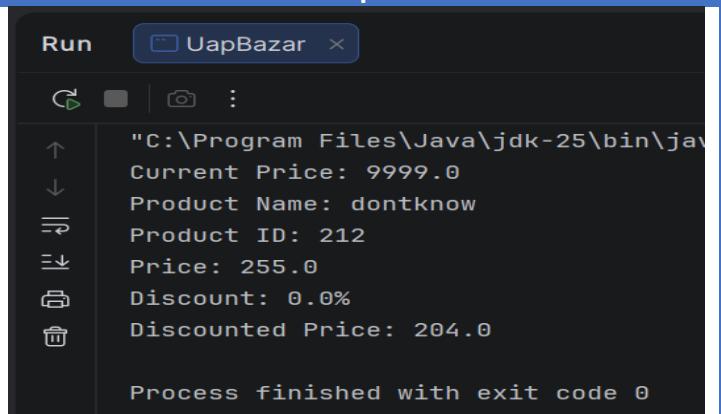
Problem#3

```
public class Product {  
    String name;  
    int id;  
    double price;  
    double discountPercentage;  
    public Product(String name, int id, double price, double  
discountPercentage) {  
        this.name = name;  
        this.id = id;  
        this.price = price;  
        this.discountPercentage = discountPercentage;  
    }  
    public void updatePrice(double newPrice) {  
        price = newPrice;  
    }  
    public double getPrice() {  
        return price;  
    }  
    public void setDiscountPercentage(double discPercentage) {  
        discountPercentage = discPercentage;  
    }  
    public double getDiscountedPrice() {  
        return price - (price * discountPercentage / 100);  
    }  
    public void displayInfo() {  
        System.out.println("Product Name: " +name);  
        System.out.println("Product ID: " +id);  
        System.out.println("Price: " +price);  
        System.out.println("Discount: " +discountPercentage +  
"%");  
    }  
}
```

```
public class UapBazar {  
    public static void main(String[] args) {  
  
        Product product = new  
Product("dontknow", 212, 9999, 0);  
        System.out.println("Current Price: "  
+product.getPrice());  
        product.updatePrice(255);  
        product.displayInfo();  
        product.setDiscountPercentage(20);  
        double discountedPrice =  
product.getDiscountedPrice();  
        System.out.println("Discounted  
Price: " +discountedPrice);  
    }  
}
```

Input

Output



The screenshot shows the Java IDE's run output window. The title bar says "Run" and "UapBazar". The output console displays the following text:

```
"C:\Program Files\Java\jdk-25\bin\javaw.exe  
Current Price: 9999.0  
Product Name: dontknow  
Product ID: 212  
Price: 255.0  
Discount: 0.0%  
Discounted Price: 204.0  
  
Process finished with exit code 0
```

