

## Title: **Java Project Report**

**Question-2:** Write a Java program to implement “Book Store Management System”.

Submitted To:

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```

import java.util.*;
import java.util.Scanner.*;
import java.io.File; // Import the File class
import java.io.FileNotFoundException; // Import this class to handle errors

abstract class Details{      //Abstract class is defined:
    abstract int getInt();
}

class SubDetails extends Details{ //Concept of Inheritance"
    public int getInt(){      //Abstract method definition:
        Scanner sc1= new Scanner(System.in);
        int option = sc1.nextInt();
        return option;
    }
    String getDetails(){
        System.out.println("\nEnter Your UserName: ");
        Scanner sc2 = new Scanner(System.in);
        String str1 = sc2.nextLine();
        Scanner sc3 = new Scanner(System.in);
        System.out.println("\nEnter the password for ");
        String str2 = sc3.nextLine();
        System.out.println("\nWelcome "+str1);
        return str2;
    }
}

public class BSMS{
    public static void main(String[]args){
        System.out.println("\n -----
Hello Welcome to the Book Store Management System-----\n");
        System.out.println("\n->Please follow the steps that are provided here: ");
        System.out.println("\n->Press 1 to login to Lovely's BookStore Account:");
        SubDetails object1 = new SubDetails();
        Scanner sc1= new Scanner(System.in);
        int option = sc1.nextInt();
        if (option == 1){
            object1.getDetails();
        }
        try {
            //Concept of Exceptional Handling:
            File myObj = new File("text.txt");
            Scanner myReader = new Scanner(myObj);
            System.out.println("\n->These are the available Books for JAVA: \n");
            while (myReader.hasNextLine()) {
                String data = myReader.nextLine();
                System.out.println(data);
            }
            myReader.close();
        }
    }
}

```

```

        } catch (FileNotFoundException e) {
            System.out.println("An error occurred.");
            e.printStackTrace(); }
System.out.println("\n->Please Choose the Book No. to buy from the above list:");
    int price = 0;
    int bNo = object1.getInt();
    if(bNo == 1){
        price = 499;
        String bName = "Core Java Volume I: Fundamentals";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if(bNo == 2){
        price = 456;
        String bName = "Effective Java";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if(bNo == 3){
        price = 369;
        String bName = "Java: A Beginner s Guide ";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if(bNo == 4){
        price = 399;
        String bName = "Java - The Complete Reference ";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if(bNo == 5){
        price = 299;
        String bName = "Java Concurrency in Practice ";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if(bNo == 6){
        price = 559;
        String bName = "Test-Driven: TDD and Acceptance TDD for Java Developers ";
        System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-");
    }
    else if (bNo == 7) {
        price = 559;
        String bName = "Java Performance: The Definite Guide ";

```

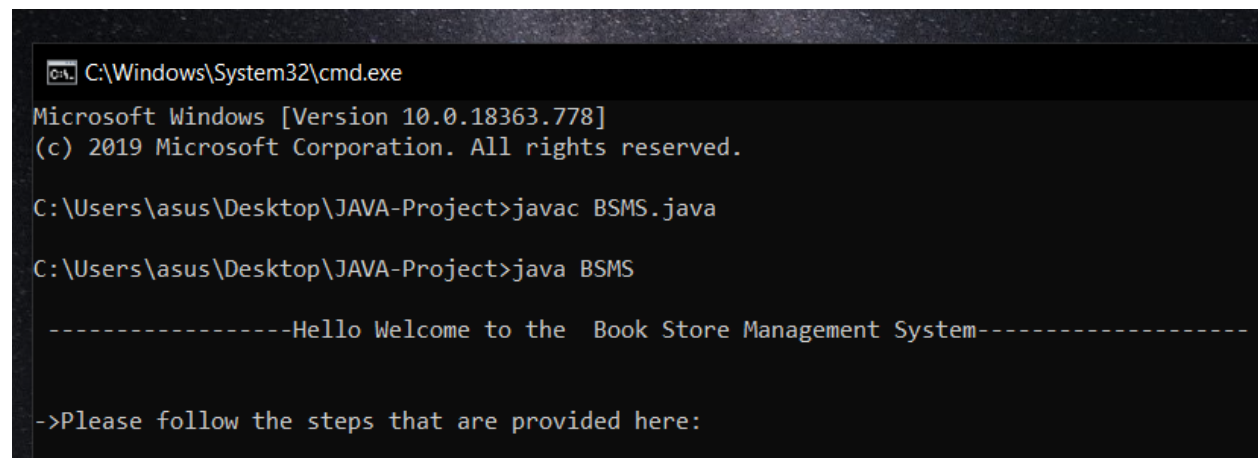
```

System.out.println("\nThe book you choose is "+bName+" and the Price is: Rs"+price+"/-
");
        }
        else {System.out.println("\n ->Try again and select the book from the list:");}

        System.out.println("\n->Press '1' to Checkout to payment:\n");
        int pay = object1.getInt();
        if (pay == 1) {
            System.out.println("\n->Enter the quantity: ");
            int quantity = object1.getInt();
            System.out.println("\n Your Order details are: \n");
            System.out.println("\n The Book No. : "+bNo+" X  "+quantity+"pieces");
                double bill = (double)price*quantity;
                System.out.println("->Total Price is: "+bill);
            }
            else {System.out.println("\n->Payment Cancelled: ");}
        }
        else {
            System.out.println("\n->Login Cancelled! \n Try again later !!");
        }
    }
}

```

## Output: Ist-part



```

C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.18363.778]
(c) 2019 Microsoft Corporation. All rights reserved.

C:\Users\asus\Desktop\JAVA-Project>javac BSMS.java

C:\Users\asus\Desktop\JAVA-Project>java BSMS

-----Hello Welcome to the  Book Store Management System-----

->Please follow the steps that are provided here:

```

## Output: 2<sup>nd</sup>-part

```
C:\Windows\System32\cmd.exe

->Press 1 to login to Lovely's BookStore Account:
1

Enter Your UserName:
sdvfsd

Enter the password for
556

Welcome sdvfsd

->These are the available Books for JAVA:

Book No.      Name of the Book                                     Price of the Book
1:            Core Java Volume I: Fundamentals -----499/-
2:            Effective Java -----459/-
3:            Java: A Beginner s Guide -----369/-
4:            Java - The Complete Reference -----399/-
5:            Java Concurrency in Practice -----299/-
6:            Test-Driven: TDD and Acceptance TDD for Java Developers ---599/-
7:            Java Performance: The Definite Guide -----559/-

->Please Choose the Book No. to buy from the above list:
```

## Output: 3<sup>rd</sup> part

```
C:\Windows\System32\cmd.exe

Book No.      Name of the Book                                     Price of the Book
1:            Core Java Volume I: Fundamentals -----499/-
2:            Effective Java -----459/-
3:            Java: A Beginner s Guide -----369/-
4:            Java - The Complete Reference -----399/-
5:            Java Concurrency in Practice -----299/-
6:            Test-Driven: TDD and Acceptance TDD for Java Developers ---599/-
7:            Java Performance: The Definite Guide -----559/-

->Please Choose the Book No. to buy from the above list:
2

The book you choose is Effective Java and the Price is: Rs456/-

->Press '1' to Checkout to payment:
1

->Enter the quantity:
25

Your Order details are:

The Book No. : 2 X 25pieces
->Total Price is: 11400.0

C:\Users\asus\Desktop\JAVA-Project>
```