

JAVA Programming

Report on

Restaurant Billing System

1. **Rationale:-**

- To implement a program for calculating and generating a bill for Restaurant using Java programming. The essential details are selected and taken as attributes for the same.

1. **Aims of the Project:-**

- To develop a program to demonstrate a Restaurant Billing System using JAVA.

● **Benefits of the Project:-**

- Generate financial statements fast and accurately.
- Better customer service.
- It is platform Independent.
- Robust and Secure.

1. **Course Outcomes Addressed:-**

- Develop programs using Object Oriented Methodology in JAVA.
- Implement exception handling.

1. **Literature Review:-**

- Collected a sample (restaurant bill) for referential purpose.



1. **Actual Methodology Followed:-**
2. Collected a sample (restaurant bill) for referential purpose.
3. Implemented the program:

```
import java.io.*;

class Allstar11

{

public static void main(String[] args) throws IOException

{

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

boolean exit= false;

int cost=0;

double gst=0;

double amount=0;

int Pizza=200,ColdDrink=30,Burger=150,Sandwhich=70,juice=80;

String order="";

do{

System.out.println("ITEM\t\t\tPrice");

System.out.println("1.Pizza\t\t\t200");

System.out.println("2.Burger\t\t\t150");

System.out.println("3.Sandwhich\t\t70");

System.out.println("4.Juice\t\t\t80");

System.out.println("5.ColdDrink\t\t30");
```

```
System.out.println("6.Quit");

System.out.println("    Enter Your Choice");

try {

int ch=Integer.parseInt(br.readLine());

switch(ch)

{

case 1:

System.out.println("Pizza"+"\\n");

cost=cost+Pizza;

order=order.concat("Pizza"+"\\n");

break;

case 2:

System.out.println("Burger");

cost=cost+Burger;

order=order.concat("Burger"+"\\n");

break;

case 3:

System.out.println("Sandwhich");

cost=cost+Sandwhich;

order=order.concat("Sandwhich"+"\\n");

break;

case 4:

System.out.println("Juice");

cost=cost+juice;

order=order.concat("Juice"+"\\n");

break;

case 5:

System.out.println("ColdDrink");

cost=cost+ColdDrink;

order=order.concat("ColdDrink"+"\\n");

break;

case 6:
```

```

exit=true;

break;

default:

System.out.println("Wrong input");

}

}

catch(Exception e)

{

System.out.println("Error in Input....");

}

}while(!exit);


gst=((9*cost)/100);

amount=gst+cost;


System.out.println("\t\t\t All Star");

System.out.println("\t\t\t Thane");

System.out.println("\t\t\t Contact no: 9999955555");

System.out.println("-----");

System.out.println("Date: 14-02-2019");

System.out.println("Bill no: 1");

System.out.println("-----");


System.out.print("Your Orders are:\n"+order);

System.out.println("-----");

System.out.println("Sub Total="+cost);

System.out.println("Gst[@9%]="+gst);

System.out.println("-----");

System.out.println("Grand Total =" +amount);

System.out.println("-----");

System.out.println("\t\t\t Thank You");

System.out.println("\t\t\t Please Visit Again");

```

}

}

1. Got the desired output.
2. Made a report for the same.

1. **Actual Resources Used:-**

S. No.	Name of Resource/material	Specifications	Qty
1.	MS Word.	OS: Windows XP, Version 8	1
1.	Notepad.	OS: Windows 7/8/10	1
1.	Java Development Kit.	jdk 1.3	1
1.	Command Prompt.	OS: Windows 7/8/10	1

1. **Outputs of the Projects:-**

```
D:\jdk1.3\bin>javac Allstar11.java
```

```
D:\jdk1.3\bin>java Allstar11
```

```
ITEM      Price
1.Pizza   200
2.Burger  150
3.Sandwich 70
4.Juice   80
5.ColdDrink 30
6.Quit
```

Enter Your Choice

```
1
Pizza
```

```
ITEM      Price
1.Pizza   200
2.Burger  150
3.Sandwich 70
4.Juice   80
5.ColdDrink 30
6.Quit
```

Enter Your Choice

```
2
Burger
```

```
ITEM      Price
1.Pizza   200
2.Burger  150
3.Sandwich 70
4.Juice   80
5.ColdDrink 30
6.Quit
```

Enter Your Choice

```
3
Sandwich
```

```
ITEM      Price
1.Pizza   200
2.Burger  150
3.Sandwich 70
4.Juice   80
5.ColdDrink 30
6.Quit
```

Enter Your Choice

```
6
```

All Star
Thane
Contact no: 9999955555

Date: 14-02-2019
Bill no: 1

Your Orders are:
Pizza
Burger
Sandwich

Sub Total=420
Gst[09%]=37.0

Grand Total =457.0

Thank You
Please Visit Again

1. **Skill Developed / Learning outcome of this Project:-**

- We learnt to develop programs using java programming language.
- We learnt the concept of exceptional handling in java.

1. **Applications of this Project:-**

- This program can be used to calculate and generate a bill for Restaurant Management System.
