

BILL GENERATOR IN HOTEL

```
import java.util.Scanner;
import java.util.ArrayList;
class Bill
{
    String itemname;
    int price,quantity,subtotal;

    Bill(String itemname,int price,int quantity,int subtotal)
    {
        this.itemname=itemname;
        this.price=price;
        this.quantity=quantity;
        this.subtotal=subtotal;
    }
    public String toString()
    {
        return
itemname+"                "+price+"                "+quantity+"                "+
subtotal;
    }
}

public class BillingSystem
{
    public static void main(String[] args)
    {
        ArrayList<Bill> newItem = new ArrayList<Bill>();
        char cont='Y';
        String itemname="";
        int price=0,subtotal=0,grandtotal=0;
        Scanner scan = new Scanner(System.in);
        System.out.println("Welcome to our Hotel");
        System.out.println("Enter your Name");
        String name = scan.nextLine();
        System.out.println("_____");
        System.out.println("Item ID          Item Name          Item Cost");
        System.out.println("_____");
        System.out.println("1                Coffee          10          ");
        System.out.println("2                Coke            40          ");
        System.out.println("3                Water           20          ");
        System.out.println("4                Pizza           80          ");
        System.out.println("5                Burger          90          ");
        System.out.println("_____");

        while(cont=='Y')
        {
```

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```
System.out.println("Enter the Item ID which you want to buy");
int itemid = scan.nextInt();
System.out.println("Enter the Quantity");
int quantity = scan.nextInt();

switch(itemid)
{
    case 1:
        itemname="Coffee";
        price=10;
        subtotal=price*quantity;
        break;
    case 2:
        itemname="Coke ";
        price=40;
        subtotal=price*quantity;
        break;
    case 3:
        itemname="Water ";
        price=20;
        subtotal=price*quantity;
        break;
    case 4:
        itemname="Pizza ";
        price=80;
        subtotal=price*quantity;
        break;
    case 5:
        itemname="Burger";
        price=90;
        subtotal=price*quantity;
        break;
    default:
        System.out.println("Invalid input");
}
newItem.add(new Bill(itemname,price,quantity,subtotal));
grandtotal+=subtotal;
System.out.println("Do you want to continue(Y/N)");
String c = scan.next();
c = c.toUpperCase();
char a[] = c.toCharArray();
cont=a[0];
}
System.out.println("HI " + name + " THIS IS YOUR BILL");

System.out.println("Customer name:"+name);
System.out.println("_____");
");
```

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```
System.out.println("ItemName      Price      Quantity      S
ubtotal");
System.out.println("_____");
for(Bill x:newItem)
{
    System.out.println(x);
}
System.out.println("_____");
System.out.println("GrandTotal to be
paid                      "+ grandtotal);
System.out.println("_____");
System.out.println("THANKS FOR COMMING");
}
```

From notepad

```
import java.util.Scanner;
import java.util.ArrayList;
class Bill
{
    String itemname;
    int price,quantity,subtotal;

    Bill(String itemname,int price,int quantity,int subtotal)
    {
        this.itemname=itemname;
        this.price=price;
        this.quantity=quantity;
```

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```
        this.subtotal=subtotal;
    }

    public String toString()
    {
        return itemname+"          "+price+"          "+quantity+"
"+subtotal;
    }

}

public class BillingSystem
{
    public static void main(String[] args)
    {
        ArrayList<Bill> newItem = new ArrayList<Bill>();
        char cont='Y';
        String itemname="";
        int price=0,subtotal=0,grandtotal=0;
        Scanner scan = new Scanner(System.in);
        System.out.println("Welcome to our Hotel");
        System.out.println("Enter your Name");
        String name = scan.nextLine();

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

        System.out.println("Item ID      Item Name      Item Cost");
```

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```
System.out.println("_____")
_____");

        System.out.println("1      Coffee      10  ");
        System.out.println("2      Coke       40  ");
System.out.println("3      Water      20  ");
System.out.println("4      Pizza      80  ");
System.out.println("5      Burger     90  ");
```

```
System.out.println("_____")
_____");
```

```
        while(cont=='Y')
        {
            System.out.println("Enter the Item ID which you want to buy");
int itemid = scan.nextInt();

            System.out.println("Enter the Quantity");
int quantity = scan.nextInt();
```

```
        switch(itemid)
        {

            case 1:
                itemname="Coffee";
                price=10;
                subtotal=price*quantity;
                break;

            case 2:
```

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```
                itemname="Coke ";
                price=40;
                subtotal=price*quantity;
                break;
            case 3:
                itemname="Water ";
                price=20;
                subtotal=price*quantity;
                break;
        case 4:
                itemname="Pizza ";
                price=80;
                subtotal=price*quantity;
                break;
        case 5:
                itemname="Burger";
                price=90;
                subtotal=price*quantity;
                break;
        default:
                System.out.println("Invalid input");
    }

    newItem.add(new Bill(itemname,price,quantity,subtotal));
    grandtotal+=subtotal;
    System.out.println("Do you want to continue(Y/N)");
    String c = scan.next();
```

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```
        c = c.toUpperCase();

        char a[] = c.toCharArray();

        cont=a[0];

    }

    System.out.println("HI " + name + " THIS IS YOUR BILL");

    System.out.println("Customer name:"+name);


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

        System.out.println("ItemName      Price      Quantity
Subtotal");

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

    for(Bill x:newItem)

    {

        System.out.println(x);

    }


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

        System.out.println("GrandTotal to be paid      "+
grandtotal);

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

        System.out.println("THANKS FOR COMMING");

    }

}
```

BILL GENERATOR IN HOTEL

OUTPUT

```
PS C:\Users\Yashu H M\Desktop\PROJECTS> javac BillingSystem.java
PS C:\Users\Yashu H M\Desktop\PROJECTS> java BillingSystem
Welcome to our Hotel
Enter your Name
Yashaswini H M

Item ID      Item Name    Item Cost
-----
1            Coffee      10
2            Coke        40
3            Water       20
4            Pizza       80
5            Burger      90

Enter the Item ID which you want to buy
1
Enter the Quantity
2
Do you want to continue(Y/N)
yes
Enter the Item ID which you want to buy
2
Enter the Quantity
1
Do you want to continue(Y/N)
y
Enter the Item ID which you want to buy
5
Enter the Quantity
3
Do you want to continue(Y/N)
n
HI Yashaswini H M THIS IS YOUR BILL
Customer name:Yashaswini H M

ItemName     Price      Quantity    Subtotal
-----
Coffee       10         2           20
Coke         40         1           40
Burger       90         3          270
GrandTotal to be paid                    330

THANKS FOR COMING
PS C:\Users\Yashu H M\Desktop\PROJECTS>
```

```
PS C:\Users\Yashu H M\Desktop\PROJECTS> javac BillingSystem.java
PS C:\Users\Yashu H M\Desktop\PROJECTS> java BillingSystem
Welcome to our Hotel
Enter your Name
Raj

Item ID      Item Name    Item Cost
-----
1            Coffee      10
2            Coke        40
3            Water       20
4            Pizza       80
5            Burger      90

Enter the Item ID which you want to buy
4
Enter the Quantity
5
Do you want to continue(Y/N)
Y
Enter the Item ID which you want to buy
2
Enter the Quantity
1
Do you want to continue(Y/N)
Yes
Enter the Item ID which you want to buy
3
Enter the Quantity
3
Do you want to continue(Y/N)
NO
HI Raj THIS IS YOUR BILL
Customer name:Raj

ItemName     Price      Quantity    Subtotal
-----
Pizza        80         5          400
Coke         40         1           40
Water        20         3           60
GrandTotal to be paid                    500

THANKS FOR COMING
PS C:\Users\Yashu H M\Desktop\PROJECTS>
```