Challenge
Looping Constructs

Veggie Pizza

Veggie Pizza is popular for delivering custom-made vegetarian pizzas. To further promote their product, they are offering a discount of 10% for any bill that is greater than $50.

Write a Java program to store a customer's personal details and the orders made by him.

Calculate the total bill amount for all the items ordered and then calculate the total discount received by the customer.

CHALLENGE

Tasks

- Write a Java class named **PizzaOrder with the main method.**

- Accept the values of the variables as input from the user utilizing the `Scanner`.

- A few sample values are provided in the table.

- Use appropriate data types for all the variables.

Variable Name	Sample Values
customerName	Gary
customerEmail	gary@123.com
phoneNo	412312345
address	20, Marble Drive, Eville
noOfPizzasOrdered	5
priceOfPizza	$12.99
pizzaSize	M
noOfGarlicBreadOrdered	3
priceOfGarlicBread	$5.99
noOfBeveragesOrdered	3
priceOfBeverage	$1.99

Tasks (cont'd)

- Display the menu as shown below to get the choice of item from the customer.

- After the customer selects an item, for example, a pizza, then the customer must be able to place an order for beverages or garlic bread.

- The program must not exit until the user wishes to stop ordering and exits by providing a choice to exit.

```
Sl No    Item Category
-------------------------
1) Pizza
2) Garlic Bread
3) Beverages
Enter 1 for Pizza, 2 for Garlic Bread and 3 for Beverages
1

Please enter the number of pizza you want to order :
3

Your total Pizza Bill : $ 38.97
Do you want to place another order enter 1 to continue or 0 to exit
1
```

Tasks (cont'd)

- Calculate the total bill amount of all the items ordered by the user and store it in a variable.

- Calculate the discount on the total bill amount.

  - If the total bill amount is greater than $50, calculate the discount of 10% and store it in a variable. Display the actual total bill amount and the discounted bill amount.

    ```
    The total bill amount is : $50.95
    The total discounted bill amount : $45.855
    ```

  - If the total bill amount is less than $50, display a message that reads, "No discount provided since the bill amount is less than $50" and display the total bill amount.

    ```
    The total bill amount is : $25.98
    No discount provided since bill amount is less than $50
    ```

Input and Output: 1

Sample Input

```
Gary

gary@123.com

7865980357

20, Marble Drive, Eville

1

5

1

2

3

1

3

3

0
```

Expected Output

Note that the output must contain the below lines in the same format

```
The total bill amount : $ 88.89

The total discounted bill amount :
$ 80.001
```

Input and Output: 2

Sample Input

Gary

gary@123.com

7865980357

20, Marble Drive, Eville

1

3

0

Expected Output

Note that the output must contain the below lines in the same format

The total bill amount : $ 38.97

No discount provided since bill amount is less than $ 50

Input and Output: 3

Gary

gary@123.com

78659803

20, Marble Drive, Eville

1

10

0

Note that the output must contain the below lines in the same format

The total bill amount : $ 129.9

The total discounted bill amount : $ 116.909996

Input and Output: 4

Gary

gary@123.com

7865980357

20, Marble Drive, Eville

1

1

1

2

4

0

Note that the output must contain the below lines in the same format

```
The total bill amount : $ 36.949997
```

```
No discount provided since bill
amount is less than $ 50
```

Input and Output: 5

Expected Output

```
Gary

gary@123.com

7865980357

20, Marble Drive, Eville

2

5

1

3

6

0
```

Note that the output must contain the below lines in the same format

```
The total bill amount : $ 41.89

No discount provided since bill
amount is less than $ 50
```

Input and Output: 6

Sample Input

```
Gary

gary@123.com

7865980357

20, Marble Drive, Eville

4

1

1

2

1

2

10

0
```

Expected Output

Note that the output must contain the below lines in the same format

```
The total bill amount : $ 85.88

The total discounted bill amount : $ 77.292
```