

## # Readme File

You can run the script using the command  
`python3 bill.py`

First the script will ask you to enter order.  
Enter the order in the following format:  
item\_no,0 for half and 1 for full,quantity|  
item\_no,0 for half and 1 for full,quantity  
and so on

For Example:

1 half 2|2 full 11

(Take care of spaces, Input format should be exactly same)

Then the script will ask you to add tip

Enter 0, 10 or 20.

Then it will ask you to add number of peoples

Enter a positive integer greater than 0

For Example:

4

Then it will ask you whether you want to participate in the 'Test your luck' event or not

Enter YES or NO(in caps only)

The script will perform calculations and print the final output.

```
hussain@hussain-Inspiron-15-3567: ~/Downloads/SSD/2021201077_A3_a$ python3 2021201077_Q1.py
Item No      Half Plate      Full Plate
1             20             30
2            210            400
3            460            600
4            500            650
5            400            800
6            450            600
7            320            400
8            360            450
9            220            400
Enter your order details
Enter in the following format
Item No, half for half plate and full for full plate and quantity
Enter plate details in comma separated values and | for next plate
Enter order
1 half 5|2 full 10|1 half 10|1 full 5|3 full 5
If you would like to pay tip
0, 10% and 20%
Enter tip percentage: 10
Please pay 8195.00Rs
Enter number of people: 20
Bill per person is 409.75
You have a chance to get more discount
Note that there is 50% chance that the bill amount increases by 20%
Would you like to participate in our 'Test your luck' event? Enter YES or NO: YES
Congratulations, You got a discount of 2048.75
****          ****
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
****          ****

{}

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Bill Breakdown
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Item 1 [Half][15]: 300.00
Item 2 [Full][10]: 4000.00
Item 1 [Full][5]: 150.00
Item 3 [Full][5]: 3000.00
Total: 7450.00
Tip Percentage: 10%
Discount/Increase: -745.00
Final Total: 4097.50
Each person has to contribute: 204.85
-----
hussain@hussain-Inspiron-15-3567:~/Downloads/SSD/2021201077_A3_a$
```

```
hussain@hussain-Inspiron-15-3567: ~/Downloads/SSD/2021201077_A3_a
hussain@hussain-Inspiron-15-3567:~/Downloads/SSD/2021201077_A3_a$ python3 2021201077_Q1.py
Item No      Half Plate      Full Plate
1             20             30
2            210            400
3            460            600
4            500            650
5            400            800
6            450            600
7            320            400
8            360            450
9            220            400
Enter your order details
Enter in the following format
Item No, half for half plate and full for full plate and quantity
Enter plate details in comma separated values and | for next plate
Enter order
1 half 10|2 full 20|1 half 5|2 half 25|3 full 10
If you would like to pay tip
0, 10% and 20%
Enter tip percentage: 20
Please pay 23460.00Rs
Enter number of people: 200
Bill per person is 117.30
You have a chance to get more discount
Note that there is 50% chance that the bill amount increases by 20%
Would you like to participate in our 'Test your luck' event? Enter YES or NO: NO

Bill Breakdown
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Item 1 [Half][15]: 300.00
Item 2 [Full][20]: 8000.00
Item 2 [Half][25]: 5250.00
Item 3 [Full][10]: 6000.00
Total: 19550.00
Tip Percentage: 20%
Discount/Increase: 0.00
Final Total: 23460.00
Each person has to contribute: 117.30
-----
hussain@hussain-Inspiron-15-3567:~/Downloads/SSD/2021201077_A3_a$
```