

Shopping cart Problem (EASY)

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Language: PYTHON

Approach: A python dictionary is used to store the list of shopping items which has a number as key and value is a list which comprises of item name and price. Customer Name, Phone, Payment Method is taken as input from user. A list is given from which user must pick item and quantity. After this a bill is generated which comprises details and final amount to pay including 6% tax.

Code:

```
#shopping items
shoppingItems = {
    1 : ['Basshead Earphones' ,1200 ] ,
    2 : ['Bluetooth Mouse' ,600 ] ,
    3 : ['32-GB Pen drive' ,499 ] ,
    4 : ['29-Inch LED monitor' ,33499],
    5 : ['i7-processor' ,18999] ,
    6 : ['1-TB Hard Drive' ,3999 ],
    7 : ['16-GB DDR4 RAM' ,10999]
}

global total_bill
total_bill=0

#customer data input
Name = input('\nEnter your Name: ')
phone = input('Enter Contact No.: ')
payMethod = input('Enter payment method(cash/card/online): ')
#end of customer data input

bill = { } #storing purchased items

#shopping list input starts from here
print('\nShopping list::\n')
print(' No.    Item Name        Price')
print('-----')
print(
    ' 1. Basshead Earphones    1200\n' ,
    ' 2. Bluetooth Mouse       600\n' ,
    ' 3. 32-GB Pen drive        499\n' ,
    ' 4. 29-Inch LED monitor    33499\n' ,
```

```

'5. i7-processor      18999\n' ,
'6. 1-TB Hard Drive   3999\n' ,
'7. 16-GB DDR4 RAM    10999\n'
)
choice=int(input('Enter your choice:'))
quantity=int(input('Enter quantity:'))

total_bill += (shoppingItems[choice][1]*quantity)
#shopping list input ends here

#BILL
print('-----')
print('                Your bill:                \n')
#printing static data
print(
    '                Shop name: GadgetifyWithGSBlr\n',
    '                Shop address: 311/5 Akshay nagar,\n',
    '                Bangalore, Karnataka, India\n',
    '                Shop contact no: +91 9988776655\n'
)
#end of printing static data

#printing variable data
print('\nCustomer name: '+ Name)
print('Contact No.: '+ phone)

print('\nItem bought: ',shoppingItems[choice][0])
print('Quantity: ', quantity)
print('Price: ', shoppingItems[choice][1]*quantity)
print('Total tax: %.2f' %(total_bill*0.06))
print('Amount to be paid: %.2f' %(total_bill*1.06))
print('Payment method used:'+ payMethod)

import datetime
now = datetime.datetime.now()
print ('\nDate and time:',now.strftime("%d-%m-%Y %H:%M:%S"))

print('-----')

```

Output:

```
PS C:\Users\akshit> & C:/python/python.exe c:/Users/akshit/Desktop/easy.py
```

```
Enter your Name: AKSHIT989
```

```
Enter Contact No.: 9876543210
```

```
Enter payment method(cash/card/online): card
```

```
Shopping list::
```

No.	Item Name	Price
1.	Basshead Earphones	1200
2.	Bluetooth Mouse	600
3.	32-GB Pen drive	499
4.	29-Inch LED monitor	33499
5.	i7-processor	18999
6.	1-TB Hard Drive	3999
7.	16-GB DDR4 RAM	10999

```
Enter your choice:4
```

```
Enter quantity:2
```

```
-----  
Your bill:
```

```
Shop name: GadgetifyWithGSBlr  
Shop address: 311/5 Akshay nagar,  
Bangalore, Karnataka, India  
Shop contact no: +91 9988776655
```

```
Customer name: AKSHIT989
```

```
Contact No.: 9876543210
```

```
Item bought: 29-Inch LED monitor
```

```
Quantity: 2
```

```
Price: 66998
```

```
Total tax: 4019.88
```

```
Amount to be paid: 71017.88
```

```
Payment method used:card
```

```
Date and time: 05-07-2020 16:24:11  
-----
```