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| **DEPARTMENT OF COMPUTER SCIENCE** | | | | | | | |
| **SUBJECT** | | | **:** | | PROGRAMMING FUNDAMENTALS LAB | | |
| **TITLE** | | | **:** | | PYTHON | | |
|  | | |  | |  | | |
| **SUBMITTED TO** | | | | **:** | SIR ASAD | | |
| **SEMESTER** | | | | **:** | 01 | | |
| **SECTION** | | | | **:** | B | | |
|  | | | |  |  | | |
| **Group Member 1** | **Group Member 2** | | | | | **Group Member**  **3** | **Group Member**  **4** |
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| **DEADLINE:** | | 28 FEBRUARY, 2022 | | | | | |
| **DATE OF SUBMISSION:** | | 28 FEBRUARY, 2022 | | | | | |

***General store billing system***

* **CODE:**

print("Welcome to the Python General Shop!!!")

inventory = {"sugar":80 , "milk":100 , "rice":70 , "oil":120 , "eggs":15 , "salt":40 , "soap":20 , "shampoo":50 , "flour":90 , "beef":400 , "chicken":200 , "cold drink":30 , "juice":25 , "apple":10 , "banana":10 , "orange":15 , "grapes":30 , "strawberry":25 , "potatoes":10 , "onion":15 , "carrots":20 , "tomatoes":10 }

print("{:15}{}".format("Items", "Price"))

for i, j in inventory.items():

    print("{:15}Rs.{}".format(i.title(), j))

basket = []

total = []

print("\nWarning: 'Small letters are usable only!'")

def cashier ():

    user\_answer = input("\nWhat do you want to purchase?: ").lower()

    while user\_answer != "quit":

        if user\_answer in inventory:

            basket.append(user\_answer)

            user\_answer = input ("Ok, I will add this to your basket! anything else?"

                                 "(Type 'quit' to end): ").lower()

        else:

            user\_answer = input("I am really sorry, we don't have this item, anything else?"

                                "(Type 'quit' to end)").lower()

cashier()

print("\nHere are all the items in your shopping cart:")

for i in range(0,len(basket)):

    print(basket[i].title(), end=" ")

answer = input("\nDo you wish to buy anything esle? (Type yes/no) ")

if answer == 'yes':

    cashier()

    print("Here is all groceries you ordered: ", basket)

    for items in basket:

        total.append(inventory[items])

    amount\_to\_pay = sum(total)

else:

    for items in basket:

        total.append(inventory[items])

    amount\_to\_pay = sum (total)

print("-----------------------------------------")

print("\nYour Items:")

for i in range(0, len(basket)):

    print("{:10}{}".format(' ',basket[i].title()))

print("-----------------------------------------")

for j in range(0, len(total)):

    print("{:10}Rs.{}".format(' ',total[j]))

print("-----------------------------------------")

print("Total ammount: ", amount\_to\_pay)

print("-----------------------------------------")

discount = 0

if amount\_to\_pay in range(0,101):

    discount = 0/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (0%):",discount)

elif amount\_to\_pay in range(101,201):

    discount = 1/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (1%):" , discount)

elif amount\_to\_pay in range(201,301):

    discount = 2/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (2%):" , discount)

elif amount\_to\_pay in range (301,401):

    discount = 3/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (3%):" , discount)

elif amount\_to\_pay in range(401,501):

    discount = 4/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (4%):" , discount)

elif amount\_to\_pay in range (501,601):

    discount = 5/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (5%):" , discount)

elif amount\_to\_pay in range (601,701):

    discount = 6/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (6%):" , discount)

elif amount\_to\_pay in range (701,801):

    discount = 7/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (7%):" , discount)

elif amount\_to\_pay in range (801,901):

    discount = 8/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (8%):" , discount)

elif amount\_to\_pay in range (901,1001):

    discount = 9/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (9%):" , discount)

elif amount\_to\_pay in range (501,601):

    discount = 10/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (10%):" , discount)

else:

    discount = 15/100\*amount\_to\_pay

    after\_discount = amount\_to\_pay - discount

    print("Discount (15%):" , discount)

print("-----------------------------------------")

print("Deduction: ", amount\_to\_pay , "-" , discount)

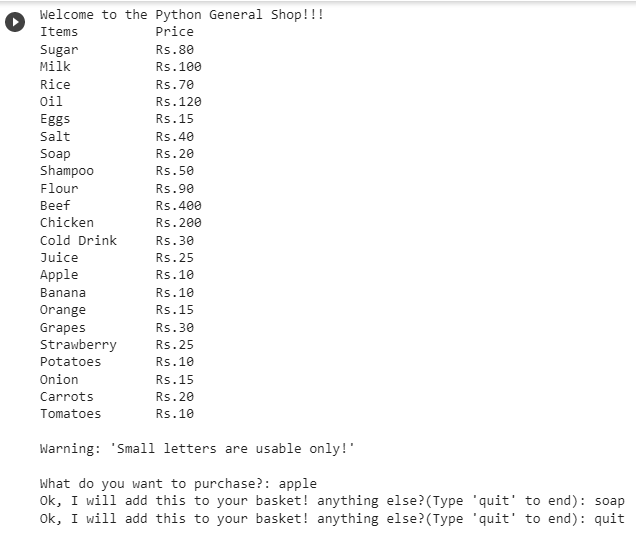
print("-----------------------------------------")

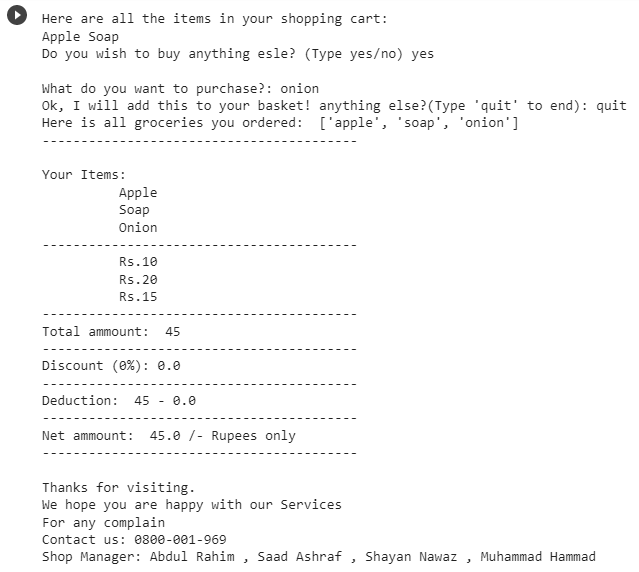
print("Net ammount: ", after\_discount,"/- Rupees only")

print("-----------------------------------------")

print("\nThanks for visiting. \nWe hope you are happy with our Services \nFor any complain \nContact us: 0800-001-969 \nShop Manager: Abdul Rahim , Saad Ashraf , Shayan Nawaz , Muhammad Hammad ")

* **RUN:**

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