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# Shopping on a Budget Project

# Module to import date and time
from datetime import datetime

# Dictionary to store items available in the store
shopping={"shampoo":150,"conditioner":200,"soap":50,"toothpaste":30,"toothbrush":20,
          "apple":50,"watermelon":100,"papaya":60,"bananas":40,"grapes":60,
          "carrots":80,"onions":50,"tomatoes":40,"cabbage":40,"potatoes":60,
          "cashews":1000,"badam":1200,"pista":1300,
          "pen":10,"pencil":5,"eraser":5,"books":30,"stapler":50,"file":60,"sketches":40,"crayons":30,
          "maggi":15,"coffee":30,"tea":40,"rice":70,"oil":40,"bread":40,"chocolate":20,
          "tshirt":500,"jeans":1500,"shirt":800,"trousers":1200,"shoes":1300,
          "skirt":1000,"flats":700,"heels":900,"dress":1300,"top":800,
          "eggs":50,"milk":25,"meat":250,"butter":50,"cheese":60,
          "watch":1500,"earrings":500,"rings":300,"shades":800,"wallet":800,"purse":600}

# List to store the items of the cart
items=[]
# List to store cost of the cart items
price=[]

print()
print("===== WELCOME to ABC GENERAL STORE =====")
print()

# Entering user's details
name=str(input("Enter your Name: "))
ph_no=int(input("Enter your Phone Number: "))

# User's Shopping Budget
budget=int(input("Enter your budget for shopping: "))

# Temporary variable to store remaining budget after adding items in the cart
temp=budget

# Variable to store total cost of the items in the cart
total=0

# While loop to enter the items
while(total<=temp):

    print("\nChoose the category from which you want to buy:\n")

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print("1.Groceries")
print("2.Fruits,Vegetables and Dry Fruits")
print("3.Stationary")
print("4.Women's Wear")
print("5.Men's Wear\n")

choice=int(input("Enter your choice:"))

if choice==1:
    print("\nPlease choose a category:\n")
    print("1.Food items")
    print("2.Grooming Products")
    print("3.Dairy and Animal Products\n")
    ch=int(input("Enter your choice:"))

    if ch==1:
        print("\nFood items available are:\n")
        print("1.Maggi")
        print("2.Coffee")
        print("3.Tea")
        print("4.Bread")
        print("5.Chocolate\n")

        ch2=int(input("Enter your choice:"))
        qty=int(input("Enter the quantity:"))

        if ch2==1:
            cost=shopping['maggi']*qty
        elif ch2==2:
            cost=shopping['coffee']*qty
        elif ch2==3:
            cost=shopping['tea']*qty
        elif ch2==4:
            cost=shopping['bread']*qty
        elif ch2==5:
            cost=shopping['chocolate']*qty
        else:
            print("Invalid Choice")
            continue

        print("\nCost=",cost)
        total+=cost
        temp=budget-total
        if temp<=0:
            print("Budget Exceeded.Item cannot be added.")
            total-=cost
            break
        else:

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        print("Remaining Budget=",temp)

elif ch==2:
    print("\nGrooming products available are:\n")
    print("1.Shampoo")
    print("2.Conditioner")
    print("3.Soap")
    print("4.Toothpaste")
    print("5.Toothbrush\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch2==1:
        cost=shopping['shampoo']*qty
    elif ch2==2:
        cost=shopping['conditioner']*qty
    elif ch2==3:
        cost=shopping['soap']*qty
    elif ch2==4:
        cost=shopping['toothpaste']*qty
    elif ch2==5:
        cost=shopping['toothbrush']*qty
    else:
        print("Invalid Choice")
        continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

elif ch==3:
    print("\nDairy and animal products available are:\n")
    print("1.Eggs")
    print("2.Milk")
    print("3.Meat")
    print("4.Butter")
    print("5.Cheese\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

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        if ch2==1:
            cost=shopping['eggs']*qty
        elif ch2==2:
            cost=shopping['milk']*qty
        elif ch2==3:
            cost=shopping['meat']*qty
        elif ch2==4:
            cost=shopping['butter']*qty
        elif ch2==5:
            cost=shopping['chesse']*qty
        else:
            print("Invalid Choice")
            continue

        print("\nCost=",cost)
        total+=cost
        temp=budget-total
        if temp<=0:
            print("Budget Exceeded.Item cannot be added.")
            total-=cost
            break
        else:
            print("Remaining Budget=",temp)

    else:
        print("Invalid Choice.Please choose again correctly.")
        continue

    c=str(input("\nDo you want to continue shopping(y/n):"))
    if c=='y' or c=='Y':
        continue
    elif c=='n' or c=='N':
        break
    else:
        print("Invalid Choice")
        continue

elif choice==2:
    print("\nPlease choose a category:\n")
    print("1.Fruits")
    print("2.Vegetables")
    print("3.Dry Fruits")
    ch=int(input("Enter your choice:"))

    if ch==1:
        print("\nFruits available are:\n")
        print("1.Apples")
        print("2.Papaya")

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print("3.Bananas")
print("4.Grapes")
print("5.Watermelon\n")

ch2=int(input("Enter your choice:"))
qty=int(input("Enter the quantity:"))

if ch2==1:
    cost=shopping['apples']*qty
elif ch2==2:
    cost=shopping['papaya']*qty
elif ch2==3:
    cost=shopping['bananas']*qty
elif ch2==4:
    cost=shopping['grapes']*qty
elif ch2==5:
    cost=shopping['watermelon']*qty
else:
    print("Invalid Choice")
    continue

print("\nCost=",cost)
total+=cost
temp=budget-total
if temp<=0:
    print("Budget Exceeded.Item cannot be added.")
    total-=cost
    break
else:
    print("Remaining Budget=",temp)

elif ch==2:
    print("\nVegetables available are:\n")
    print("1.Onions")
    print("2.Tomatoes")
    print("3.Potatoes")
    print("4.Carrots")
    print("5.Cabbage\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch2==1:
        cost=shopping['onions']*qty
    elif ch2==2:
        cost=shopping['tomatoes']*qty
    elif ch2==3:
        cost=shopping['potatoes']*qty

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elif ch2==4:
    cost=shopping['carrots']*qty
elif ch2==5:
    cost=shopping['cabbage']*qty
else:
    print("Invalid Choice")
    continue
print("\nCost=",cost)
total+=cost
temp=budget-total
if temp<=0:
    print("Budget Exceeded.Item cannot be added.")
    total-=cost
    break
else:
    print("Remaining Budget=",temp)

elif ch==3:
    print("\nDry fruits available are:\n")
    print("1.Cashews")
    print("2.Badam")
    print("3.Pista\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch2==1:
        cost=shopping['cashews']*qty
    elif ch2==2:
        cost=shopping['badam']*qty
    elif ch2==3:
        cost=shopping['pista']*qty
    else:
        print("Invalid Choice")
        continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

else:
    print("Invalid Choice.Please choose again correctly.")

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        continue

c=str(input("\nDo you want to continue shopping(y/n):"))
if c=='y' or c=='Y':
    continue
elif c=='n' or c=='N':
    break
else:
    print("Invalid Choice")
    continue

elif choice==3: #Stationary

    print("\nPlease choose a item:\n")
    print("1.Pen")
    print("2.Pencil")
    print("3.Eraser")
    print("4.Books")
    print("5.Sketches\n")

    ch=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch==1:
        cost=shopping['pen']*qty
    elif ch==2:
        cost=shopping['pencil']*qty
    elif ch==3:
        cost=shopping['eraser']*qty
    elif ch==4:
        cost=shopping['books']*qty
    elif ch==5:
        cost=shopping['sketches']*qty
    else:
        print("Invalid Choice.Please choose again correctly.")
        continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

c=str(input("\nDo you want to continue shopping(y/n):"))

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        if c=='y' or c=='Y':
            continue
        elif c=='n' or c=='N':
            break
        else:
            print("Invalid Choice")
            continue

elif choice==4:#Women's Wear

    print("\nPlease choose a category:\n")
    print("1.Clothing and Footwear")
    print("2.Accessories\n")
    ch=int(input("Enter your choice:"))

    if ch==1:
        print("\nItems available are:\n")
        print("1.Skirt")
        print("2.Top")
        print("3.Dress")
        print("4.Flats")
        print("5.Heels\n")

        ch2=int(input("Enter your choice:"))
        qty=int(input("Enter the quantity:"))

        if ch2==1:
            cost=shopping['skirt']*qty
        elif ch2==2:
            cost=shopping['top']*qty
        elif ch2==3:
            cost=shopping['dress']*qty
        elif ch2==4:
            cost=shopping['flats']*qty
        elif ch2==5:
            cost=shopping['heels']*qty
        else:
            print("Invalid Choice")
            continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:

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        print("Remaining Budget=",temp)

c=str(input("\nDo you want to continue shopping(y/n):"))
if c=='y' or c=='Y':
    continue
elif c=='n' or c=='N':
    break
else:
    print("Invalid Choice")
    continue

elif ch==2:
    print("\nItems available are:\n")
    print("1.Watch")
    print("2.Purse")
    print("3.Earrings")
    print("4.Rings")
    print("5.Shades\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch2==1:
        cost=shopping['watch']*qty
    elif ch2==2:
        cost=shopping['purse']*qty
    elif ch2==3:
        cost=shopping['earrings']*qty
    elif ch2==4:
        cost=shopping['rings']*qty
    elif ch2==5:
        cost=shopping['shades']*qty
    else:
        print("Invalid Choice")
        continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

else:
    print("Invalid Choice.Please choose again correctly.")

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        continue

c=str(input("\nDo you want to continue shopping(y/n):"))
if c=='y' or c=='Y':
    continue
elif c=='n' or c=='N':
    break
else:
    print("Invalid Choice")
    continue

elif choice==5:#Men's Wear

    print("\nPlease choose a category:\n")
    print("1.Clothing and Footwear")
    print("2.Accesories\n")
    ch=int(input("Enter your choice:"))

    if ch==1:
        print("\nItems available are:\n")
        print("1.Jeans")
        print("2.Shirt")
        print("3.T-Shirt")
        print("4.Trousers")
        print("5.Shoes\n")

        ch2=int(input("Enter your choice:"))
        qty=int(input("Enter the quantity:"))

        if ch2==1:
            cost=shopping['jeans']*qty
        elif ch2==2:
            cost=shopping['shirt']*qty
        elif ch2==3:
            cost=shopping['tshirt']*qty
        elif ch2==4:
            cost=shopping['trousers']*qty
        elif ch2==5:
            cost=shopping['shoes']*qty
        else:
            print("Invalid Choice")
            continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total
    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")

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        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

elif ch==2:
    print("\nItems available are:\n")
    print("1.Watch")
    print("2.Wallet")
    print("3.Shades\n")

    ch2=int(input("Enter your choice:"))
    qty=int(input("Enter the quantity:"))

    if ch2==1:
        cost=shopping['watch']*qty
    elif ch2==2:
        cost=shopping['wallet']*qty
    elif ch2==3:
        cost=shopping['shades']*qty
    else:
        print("Invalid Choice")
        continue

    print("\nCost=",cost)
    total+=cost
    temp=budget-total

    if temp<=0:
        print("Budget Exceeded.Item cannot be added.")
        total-=cost
        break
    else:
        print("Remaining Budget=",temp)

else:
    print("Invalid Choice.Please choose again correctly.")
    continue

c=str(input("\nDo you want to continue shopping(y/n):"))
if c=='y' or c=='Y':
    continue
elif c=='n' or c=='N':
    break
else:
    print("Invalid Choice")
    continue
else:

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        print("Invalid Choice.Please choose again correctly.")
        continue

# Printing Invoice
print()
print("===== ABC GENERAL STORE
=====")
print("===== INVOICE
=====")

# Printing Date and Time
currentDateAndTime = datetime.now()
currentTime = currentDateAndTime.strftime("%H:%M:%S")
print()
print("Date:",currentDateAndTime.date()," Time:",currentTime)
print()

# Printing User Details
print("Name:",name," Phone No:",ph_no)
print()

# Printing Total Bill
print(f"Your Total Bill is: Rs.{total}")
print()

# Printing vouchers according to the total bill
if total>5000:
    print("Congratulations! You have won a voucher worth Rs.800 for shopping
above Rs.5000")
    print("You can use it during your next visit.")
    print()

print("===== THANK YOU FOR SHOPPING!
=====")
print("===== PLEASE VISIT AGAIN!!!
=====")

# End of the program

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