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C203

Midterm Lab Task 4 Using Dictionary Collections

Problem 1. Create the following UI for menu items: then allow the user to input orders

```
----- MENU -----
pizza      : $3.00
nachos     : $4.50
popcorn    : $6.00
fries      : $2.50
chips      : $1.00
pretzel    : $3.50
soda       : $3.00
lemonade   : $4.25
-----
Select an item (q to quit): pizza
Select an item (q to quit): soda
Select an item (q to quit): q
----- YOUR ORDER -----
pizza soda
Total is: $6.00

Process finished with exit code 0
```

1. The user will continue to input orders until q is typed to quit. Then display the summary of orders with the total bill.
2. Use a dictionary(for the menu) and List(for the orders in the cart)
3. Users may input the same item in the cart.
4. Follow the exact format and whitespace for the menu
5. User input should be case insensitive

If the user inputted an item not in the Menu – it will not include it in the cart and display “Not Available” and input another item

Create a MENU with 10 items and assign prices in Peso (php) - You may choose what items you would like to put in your cart

Code:

```

order = []
order_name = []
order_num = len(order)

menus = {"apple":3.00,
        "basil":4.50,
        "mango":6.00,
        "cheese":2.50,
        "crepe":1.00,
        "bacon":3.50,
        "beans":3.00,
        "peach":4.25,
        "lemon":5.23,
        "bread":3.10}

def key_and_val():
    key = menus.keys()
    val = menus.values()

print("----- MENU -----\\n")
for key, val in menus.items():
    print("%s\\t: P%.2f" %(key, val))
print("-----")

def selecting():
    while True:
        select = input("Select an item (q to quit): ")
        if select == 'q':
            break
        if select in menus.keys():
            order.append(menus[select])
            order_name.append(select)
        else:
            print("none")

selecting()
sum = 0
amnt = len(order)

for i in range(0, amnt):
    sum += order[i]

print("----- YOUR ORDER -----")

for i in order_name:
    print(f"{i}", end=' ')

print("\\nTotal is: P%.2f" %(sum))

```

Output:

```
C:\Users\COMLAB\PycharmProjects\pythonProject1\  
----- MENU -----  
  
apple   : P3.00  
basil   : P4.50  
mango   : P6.00  
cheese  : P2.50  
crepe   : P1.00  
bacon   : P3.50  
beans   : P3.00  
peach   : P4.25  
lemon   : P5.23  
bread   : P3.10  
  
-----  
Select an item (q to quit): apple  
Select an item (q to quit): crepe  
Select an item (q to quit): q  
----- YOUR ORDER -----  
apple crepe  
Total is: P4.00  
  
Process finished with exit code 0
```