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Problem 1

Source Code:

```
menu = {

    "burger": 120.00,

    "hotdog": 65.00,

    "sandwich": 85.00,

    "salad": 95.00,

    "pasta": 150.00,

    "rice": 60.00,

    "coffee": 75.00,

    "juice": 50.00,

    "cake": 110.00,

    "ice cream": 80.00

}


orders = []


def display_menu():

    """Display the menu in the exact format from the example"""

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

    print(f"burger    : ₱{menu['burger']:.2f}")

    print(f"hotdog    : ₱{menu['hotdog']:.2f}")

    print(f"sandwich  : ₱{menu['sandwich']:.2f}")
```

```python
    print(f"salad    : ₱{menu['salad']:.2f}")

    print(f"pasta    : ₱{menu['pasta']:.2f}")

    print(f"rice     : ₱{menu['rice']:.2f}")

    print(f"coffee   : ₱{menu['coffee']:.2f}")

    print(f"juice    : ₱{menu['juice']:.2f}")

    print(f"cake     : ₱{menu['cake']:.2f}")

    print(f"ice cream : ₱{menu['ice cream']:.2f}")

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


def main():

    """Main program loop"""

    display_menu()


    while True:

        user_input = input("Select an item (q to quit): ").strip().lower()


        if user_input == "q":

            break


        if user_input in menu:

            orders.append(user_input)

        else:

            print("Not Available")


    if orders:

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

```python
        print(" ".join(orders))

        total = sum(menu[item] for item in orders)

        print(f"Total is: ₱{total:.2f}")


    print("\nProcess finished with exit code 0")


if __name__ == "__main__":

    main()
```

Sample Output:

```
--------- MENU ---------
burger     : ₱120.00
hotdog     : ₱65.00
sandwich   : ₱85.00
salad      : ₱95.00
pasta      : ₱150.00
rice       : ₱60.00
coffee     : ₱75.00
juice      : ₱50.00
cake       : ₱110.00
ice cream : ₱80.00
----------------------
Select an item (q to quit): burger
Select an item (q to quit): cake
Select an item (q to quit): cake
Select an item (q to quit): juice
Select an item (q to quit): pizza
Not Available
Select an item (q to quit): salad
Select an item (q to quit): q
----- YOUR ORDER -----
burger cake cake juice salad
Total is: ₱485.00
```