

DRY FRUITS ORDERING SYSTEM

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INTRODUCTION

Hi, I'm Jidnyesh Pujari and this is my first Python project. I made a simple program that helps people order dry fruits from a store.

The idea was to create something easy where customers can see what's available, pick what they want, and get a total bill. Instead of writing everything by hand, the computer does it all automatically.

I chose this project because my father owns a dry fruits shop and I thought it would be cool to make something practical. Also, it helped me learn Python better because I had to use loops, lists, and calculations.

WHAT THE PROGRAM DOES

My program is pretty simple. Here's what happens:

1. **SHOWS MENU** First, it shows all the dry fruits with their prices. There are 11 different items like cashew, almonds, pista , etc.
2. **YOU PICK ITEMS** You type a number to choose what you want. Like if you want cashew, you type 1.
3. **CHOOSE QUANTITY** Then it asks how much you want - 250g, 500g, 750g, or 1kg. You just type 1, 2, 3, or 4.
4. **ADDS TO CART** The program adds your item to a shopping cart and shows you what's in it.
5. **KEEP SHOPPING OR FINISH** You can add more items or type 0 when you're done.
6. **SHOWS BILL** When you're done, it shows everything you ordered with the total price.
7. **CONFIRM ORDER** You type "yes" to confirm or "no" to cancel.

THE PRODUCTS IN MY STORE

I included 11 types of dry fruits:

1. Cashew - Rs. 799 per kg
2. Masala Kaju - Rs. 1299 per kg
3. Peri Peri Cashew - Rs. 1399 per kg
4. Chocolate Cashew - Rs. 1599 per kg
5. Black Pepper Cashew - Rs. 1199 per kg
6. Salted Cashew - Rs. 999 per kg
7. California Almond - Rs. 799 per kg
8. Chocolate Almond - Rs. 1599 per kg
9. Pista - Rs. 1499 per kg
10. Salted Pista - Rs. 1799 per kg
11. Cranberry - Rs. 1999 per kg

I got these prices by looking at my fathers stores. The program also shows price for 250g which is just 1/4th of the kg price.

HOW I MADE IT

WHAT I USED

I only used Python. No other software or libraries. Just basic Python that everyone learns.

THE PRODUCT LIST

I stored all products in a dictionary. Here's how it looks:

```
products = {  
    1: {"name": "Cashew", "price": 799},  
    2: {"name": "Masala Kaju", "price": 1299},  
    3: {"name": "Peri Peri Cashew", "price": 1399},  
    # ... and so on  
}
```

THE SHOPPING CART

For the cart, I used a list. Every time someone adds something, I put it in the list with the name, weight, and price.

```
cart = []
```

```
cart.append({
```

```
'name': product['name'],  
'weight': weight,  
'total': total_price  
})
```

CALCULATING PRICE

This was the tricky part. I had to figure out the math:

- If someone picks option 1, they get 1 pack of 250g = 0.25 kg
- If they pick option 2, they get 2 packs = 0.5 kg
- Then I multiply: price per kg × weight = total price packs = 2 # If user chose option 2 weight = packs * 0.25 # = 0.5 kg total_price = product['price'] * weight

MAIN CODE STRUCTURE

The whole program runs in one big loop:

```
cart = []
```

```
while True:
```

```
    # Show menu
```

```
    # Get user input
```

```
    # Add to cart
```

```
    # Show cart
```

```
    # Or checkout if user types 0
```

WHAT I LEARNED

This project taught me so much! Here are the main things:

PROGRAMMING STUFF

DICTIONARIES: I learned how to store data with keys and values. It's really useful.

LISTS: I got better at adding things to lists and going through them.

LOOPS: The while loop was confusing at first but now I understand how to use it to keep a program running.

IF-ELSE: I used a lot of if-elif-else statements to check what the user typed.

TRY-EXCEPT: This was new to me. It's really helpful for catching errors.

OTHER SKILLS

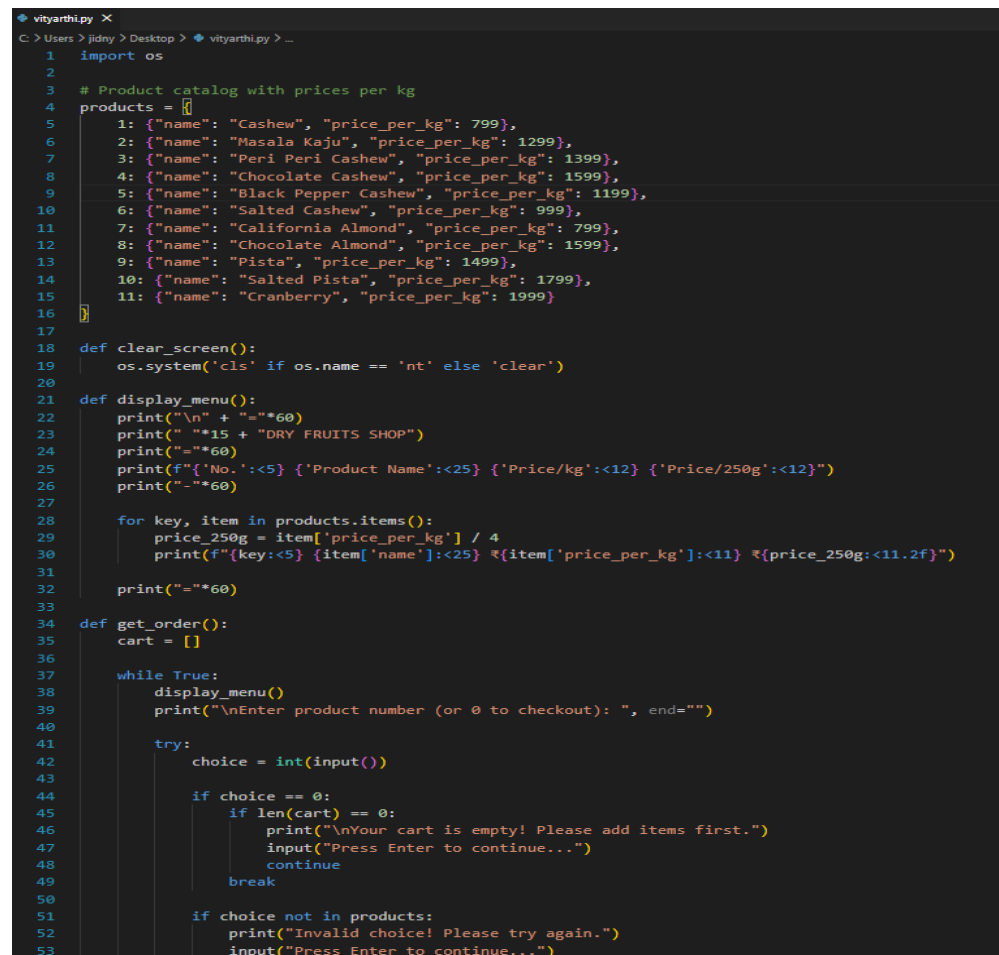
PROBLEM SOLVING: When something didn't work, I had to think about why and try different solutions.

TESTING: I tested my program many times with different inputs to find bugs.

PATIENCE: Sometimes I spent hours on one small problem. But I kept trying and that's important.

DOCUMENTATION: Writing this report helped me understand my own code better.

SCREENSHOTS



```
1 import os
2
3 # Product catalog with prices per kg
4 products = [
5     1: {"name": "Cashew", "price_per_kg": 799},
6     2: {"name": "Masala Kaju", "price_per_kg": 1299},
7     3: {"name": "Peri Peri Cashew", "price_per_kg": 1399},
8     4: {"name": "Chocolate Cashew", "price_per_kg": 1599},
9     5: {"name": "Black Pepper Cashew", "price_per_kg": 1199},
10    6: {"name": "Salted Cashew", "price_per_kg": 999},
11    7: {"name": "California Almond", "price_per_kg": 799},
12    8: {"name": "Chocolate Almond", "price_per_kg": 1599},
13    9: {"name": "Pista", "price_per_kg": 1499},
14    10: {"name": "Salted Pista", "price_per_kg": 1799},
15    11: {"name": "Cranberry", "price_per_kg": 1999}
16 ]
17
18 def clear_screen():
19     os.system('cls' if os.name == 'nt' else 'clear')
20
21 def display_menu():
22     print("\n" + "="*60)
23     print(" " *15 + "DRY FRUITS SHOP")
24     print("="*60)
25     print(f"{'No.':<5} {'Product Name':<25} {'Price/kg':<12} {'Price/250g':<12}")
26     print("-"*60)
27
28     for key, item in products.items():
29         price_250g = item['price_per_kg'] / 4
30         print(f"{key:<5} {item['name']:<25} ₹{item['price_per_kg']:<11} ₹{price_250g:<11.2f}")
31
32     print("="*60)
33
34 def get_order():
35     cart = []
36
37     while True:
38         display_menu()
39         print("\nEnter product number (or 0 to checkout): ", end="")
40
41         try:
42             choice = int(input())
43
44             if choice == 0:
45                 if len(cart) == 0:
46                     print("\nYour cart is empty! Please add items first.")
47                     input("Press Enter to continue...")
48                     continue
49                 break
50
51             if choice not in products:
52                 print("Invalid choice! Please try again.")
53                 input("Press Enter to continue...")
```

```

53         input("Press Enter to continue...")
54         continue
55
56     print("\nSelect quantity:")
57     print("1. 250g")
58     print("2. 500g (2 packs)")
59     print("3. 750g (3 packs)")
60     print("4. 1kg (4 packs)")
61     print("5. Custom quantity (in 250g packs)")
62
63     qty_choice = int(input("\nEnter your choice: "))
64
65     if qty_choice == 1:
66         packs = 1
67     elif qty_choice == 2:
68         packs = 2
69     elif qty_choice == 3:
70         packs = 3
71     elif qty_choice == 4:
72         packs = 4
73     elif qty_choice == 5:
74         packs = int(input("Enter number of 250g packs: "))
75     else:
76         print("Invalid choice!")
77         input("Press Enter to continue...")
78         continue
79
80     weight_kg = packs * 0.25
81     price = products[choice]['price_per_kg'] * weight_kg
82
83     cart.append({
84         'product': products[choice]['name'],
85         'packs': packs,
86         'weight_kg': weight_kg,
87         'price': price
88     })
89
90     print(f"\n✓ Added {products[choice]['name']} ({weight_kg}kg) to cart!")
91     input("Press Enter to continue...")
92
93 except ValueError:
94     print("Invalid input! Please enter a number.")
95     input("Press Enter to continue...")
96
97 return cart
98
99 def display_bill(cart):
100     clear_screen()
101     print("\n" + "="*60)
102     print(" " * 20 + "INVOICE")
103     print("="*60)

```

```

104     print(f"{'Product':<25} {'Quantity':<15} {'Price':<15}")
105     print("-"*60)
106
107     total = 0
108     for item in cart:
109         print(f"{'item['product']':<25} {'item['weight_kg']':<15}kg ({item['packs']}: packs) ₹{item['price']:<14.2f}")
110         total += item['price']
111
112     print("-"*60)
113     print(f"{'TOTAL':<40} ₹{total:.2f}")
114     print("-"*60)
115
116     return total
117
118 def main():
119     while True:
120         clear_screen()
121         print("\n" + "-"*60)
122         print(" " * 10 + "WELCOME TO DRY FRUITS SHOP")
123         print("-"*60)
124         print("\n1. View Menu & Place Order")
125         print("2. Exit")
126
127         choice = input("\nEnter your choice: ")
128
129         if choice == '1':
130             cart = get_order()
131             total = display_bill(cart)
132
133             print("\nConfirm Order?")
134             print("1. Yes")
135             print("2. No")
136
137             confirm = input("\nEnter your choice: ")
138
139             if confirm == '1':
140                 print("\n" + "-"*60)
141                 print(" " * 15 + "ORDER CONFIRMED!")
142                 print("-"*60)
143                 print(f"\nTotal Amount: ₹{total:.2f}")
144                 print("\nThank you for your order!")
145                 print("Your order will be delivered soon.")
146                 print("-"*60)
147                 input("\nPress Enter to continue...")
148             else:
149                 print("\nOrder cancelled!")
150                 input("Press Enter to continue...")
151
152         elif choice == '2':
153             print("\nThank you for visiting! Have a great day!")
154             break
155
156         else:
157             print("\nInvalid choice! Please try again.")
158             input("Press Enter to continue...")
159
160 if __name__ == "__main__":
161     main()

```

OUTPUT:

```
=====
                        WELCOME TO DRY FRUITS SHOP
=====

1. View Menu & Place Order
2. Exit

Enter your choice: 1

=====
                        DRY FRUITS SHOP
=====
=====
No.      Product Name      Price/kg      Price/250g
-----
1        Cashew             ₹799          ₹199.75
2        Masala Kaju        ₹1299         ₹324.75
3        Peri Peri Cashew   ₹1399         ₹349.75
4        Chocolate Cashew   ₹1599         ₹399.75
5        Black Pepper Cashew ₹1199         ₹299.75
6        Salted Cashew      ₹999          ₹249.75
7        California Almond  ₹799          ₹199.75
8        Chocolate Almond   ₹1599         ₹399.75
9        Pista              ₹1499         ₹374.75
10       Salted Pista       ₹1799         ₹449.75
11       Cranberry          ₹1999         ₹499.75
=====

Enter product number (or 0 to checkout): 4

Select quantity:
1. 250g
2. 500g (2 packs)
3. 750g (3 packs)
4. 1kg (4 packs)
5. Custom quantity (in 250g packs)

Enter your choice: 1

✓ Added Chocolate Cashew (0.25kg) to cart!
Press Enter to continue...|
```

```
=====
                        INVOICE
=====
=====
Product      Quantity      Price
-----
Chocolate Cashew    0.25kg (1 packs) ₹399.75
-----
TOTAL                        ₹399.75
=====

Confirm Order?
1. Yes
2. No

Enter your choice: 1

=====
                        ORDER CONFIRMED!
=====

Total Amount: ₹399.75

Thank you for your order!
Your order will be delivered soon.
=====

Press Enter to continue...|
```

CONCLUSION

I'm really happy with how my project turned out. When I started, I didn't know much about Python. But by working on this, I learned so many things.

The program does what it's supposed to do - help people order dry fruits easily. It's simple but it works. And that's what matters for a first project.

Yes, there were problems. Sometimes I got frustrated when things didn't work. But I kept trying and learning from mistakes. That's the best part about programming - you learn by doing.

This project gave me confidence. Now I feel like I can make other programs too. I understand Python much better than before.

If you're a student like me reading this, my advice is: start with something simple. Don't try to make something super complicated. Make it work first, then improve it later.

Overall, this was a great learning experience and I'm proud of what I made.

REFERENCES

1. Python official website - python.org
2. YouTube tutorials on Python basics
3. My teacher's class notes
4. Stack Overflow (when I got stuck)
5. Python documentation for dictionaries and lists

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END OF REPORT Thank you for reading!