# Function to print the menu  
def print\_menu():  
 print("\nWelcome to Taco Palace! Please view the menu below and enter the number that represents your selection:")  
 print("1. Tacos - $5.00")  
 print("2. Burritos - $7.00")  
 print("3. Nachos - $4.00")  
 print("4. Soft drink - $2.00")  
 print("5. Quit")  
  
  
# Function to get the price of a food item  
def get\_price(item\_number):  
 if item\_number == 1: # Tacos  
 return 5.00  
 elif item\_number == 2: # Burritos  
 return 7.00  
 elif item\_number == 3: # Nachos  
 return 4.00  
 elif item\_number == 4: # Quesadilla  
 return 2.00  
 else:  
 return 0.00 # Invalid choice, but we'll handle it later  
  
  
# Main program  
def main():  
 total\_price = 0.0 # Tracks total amount due  
 orders = [] # List to store the food items ordered  
  
 while True:  
 print\_menu() # Display the menu  
  
 # Ask for the user's choice  
 choice = int(input("Enter the number of your selection: "))  
  
 if choice == 5:  
 print("Thank you for visiting Taco Palace!")  
 break # Exit the loop to quit the program  
  
 # Validate if the choice is valid  
 if choice < 1 or choice > 5:  
 print("Invalid choice, please try again.")  
 continue # Go back to the start of the loop if invalid input  
  
 # Process the valid selection  
 if choice != 5:  
 if choice == 1:  
 food\_item = "Tacos"  
 elif choice == 2:  
 food\_item = "Burritos"  
 elif choice == 3:  
 food\_item = "Nachos"  
 elif choice == 4:  
 food\_item = "Soft drink"  
  
 print(f"\nYou have selected {food\_item}.")  
 price = get\_price(choice) # Get the price of the selected item  
  
 # Update total price  
 total\_price += price  
 orders.append(food\_item) # Add the selected food item to the orders list  
 print(f"Total price so far: ${total\_price:.2f}\n")  
  
 # Once the loop ends, print the final order and total amount due  
 print("\nYour order:")  
 for item in orders:  
 print(f"- {item}")  
  
 print(f"Total amount due: ${total\_price:.2f}")  
  
  
# Start the program  
main()