

ALA – 3

AIM : Students will work in pairs to create a simple rule-based chatbot using Python. The chatbot should respond to user inputs based on predefined rules (ifelse conditions) on a selected topic (e.g., weather, movies).

SOLUTION:

†BASIC FOOD ORDERING CHATBOT.

PYTHON CODE:

```
order = []

print("FoodBot: Welcome to FoodBot! What would you like to order? (pizza/burger/drink)")
print("Type 'summary' to see your order or 'quit' to exit.\n")

while True:
    user_input = input("You: ").lower().strip()

    if user_input == "quit":
        print("FoodBot: Here's your final order:")
        for item in order:
            print(f"- {item}")
        print("FoodBot: Thanks for ordering! Have a tasty day!")
        break

    elif user_input == "summary":
        if order:
            print("FoodBot: Your current order:")
            for item in order:
                print(f"- {item}")
        else:
            print("FoodBot: Your order is empty.")

    elif "pizza" in user_input:
        print("FoodBot: We have Margherita, Pepperoni, and Veggie pizzas.")
        pizza_type = input("Which pizza would you like? ").lower().strip()
```

```
print("FoodBot: Available toppings: extra cheese, olives, mushrooms.")    toppings
= input("Choose your toppings (comma-separated): ").lower().strip()
order.append(f"{pizza_type.title()} Pizza with {toppings}")    print(f"FoodBot:
{pizza_type.title()} pizza with {toppings} added to your order.")

elif "burger" in user_input:
    print("FoodBot: We offer Beef, Chicken, and Veggie burgers.")    burger_type =
input("Which burger would you like? ").lower().strip()    print("FoodBot: Add-ons
available: cheese, bacon, lettuce, tomato.")    addons = input("Choose your add-ons
(comma-separated): ").lower().strip()    order.append(f"{burger_type.title()} Burger
with {addons}")    print(f"FoodBot: {burger_type.title()} burger with {addons}
added to your order.")

elif "drink" in user_input or "drinks" in user_input:
    print("FoodBot: Our drinks include Soda, Water, and Juice.")
drink = input("Which drink would you like? ").lower().strip()    size
= input("Choose a size (small/medium/large): ").lower().strip()
order.append(f"{size.title()} {drink.title()}")    print(f"FoodBot:
{size.title()} {drink.title()} added to your order.")
    else:
        print("FoodBot: Sorry, I didn't understand. Please choose: pizza/burger/drink or type
'summary' or 'quit'.")
```

OUTPUT:

```
Python 3.13.2 (tags/v3.13.2:4f8bb39, Feb  4 2025, 15:23:48) [MSC v.1942 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\parma\AppData\Local\Programs\Python\Python313\ala 3.py ===
FoodBot: Welcome to FoodBot! What would you like to order? (pizza/burger/drink) or type 'quit' to exit.
You: pizza
FoodBot: We have Margherita, Pepperoni, and Veggie pizzas.
You:
=== RESTART: C:\Users\parma\AppData\Local\Programs\Python\Python313\ala 3.py ===
FoodBot: Welcome to FoodBot! What would you like to order? (pizza/burger/drink) Type 'summary' to see your order or 'quit' to exit.

You: pizza
FoodBot: We have Margherita, Pepperoni, and Veggie pizzas.
Which pizza would you like? margherita
FoodBot: Available toppings: extra cheese, olives, mushrooms.
Choose your toppings (comma-separated): extra cheese
FoodBot: Margherita pizza with extra cheese added to your order.
You: drink
FoodBot: Our drinks include Soda, Water, and Juice.
Which drink would you like? soda
Choose a size (small/medium/large): large
FoodBot: Large Soda added to your order.
You: burger
FoodBot: We offer Beef, Chicken, and Veggie burgers.
Which burger would you like? veggie
FoodBot: Add-ons available: cheese, bacon, lettuce, tomato.
Choose your add-ons (comma-separated): cheese
FoodBot: Veggie burger with cheese added to your order.
You:
```