Experiment No 1 - Personalized Greeting Generator

Aim - Write a python code to generate Personalized Greeting

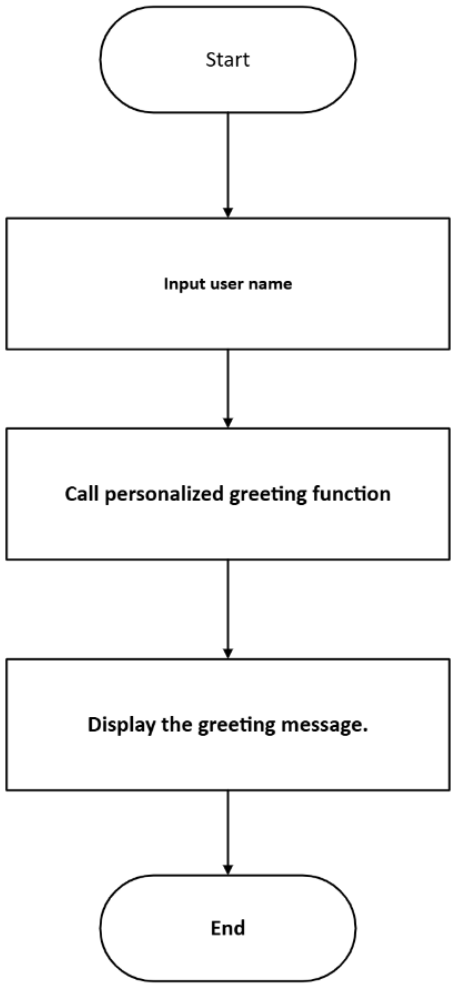
Theory : - Python is an easy to learn, powerful programming language. It has efficient high-level data structures and a simple but effective approach to object-oriented programming. Python's elegant syntax and dynamic typing, together with its interpreted nature, make it an ideal language for scripting and rapid application development in many areas on most platforms.

Creating a personalized greeting in Python can be done with a simple script that takes user input and customizes the greeting message.

Algorithm for the Program:

1. **Start**
2. **Define a function** personalized_greeting(name):
    - Accept a parameter name.
    - Create a greeting message using the format Hello, {name}! Welcome to our community.
    - Return the greeting message.
3. **Main Program**:
    - **Step 1**: Check if the program is run directly (if __name__ == "__main__":).
    - Step 2: Ask the user to input their name using input("Please enter your name: ") and store it in a variable user_name.
    - **Step 3**: Call the personalized_greeting function with user_name as an argument and store the returned greeting in greeting_message.
    - **Step 4**: Print the greeting message.
4. **End**

Flowchart



Program

```
# Define a function to generate a personalized greeting
def personalized_greeting(name):
    greeting = f"Hello, {name}! Welcome to our community."
    return greeting

# Main program
if __name__ == "__main__":
    # Ask the user for their name
    user_name = input("Please enter your name: ")

    # Generate and print the personalized greeting
```

```
greeting_message = personalized_greeting(user_name)
print(greeting_message)
```

Output: