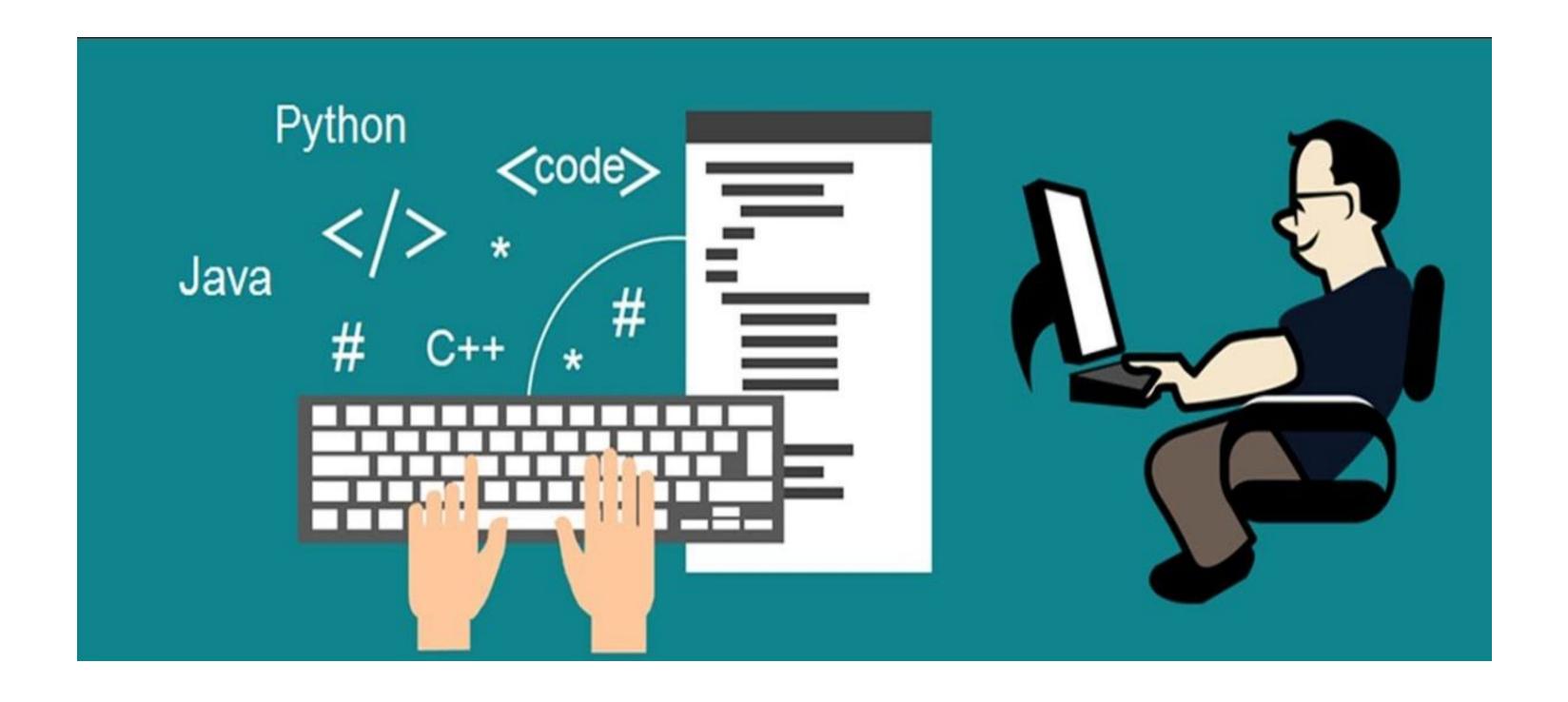




### What is Programming?

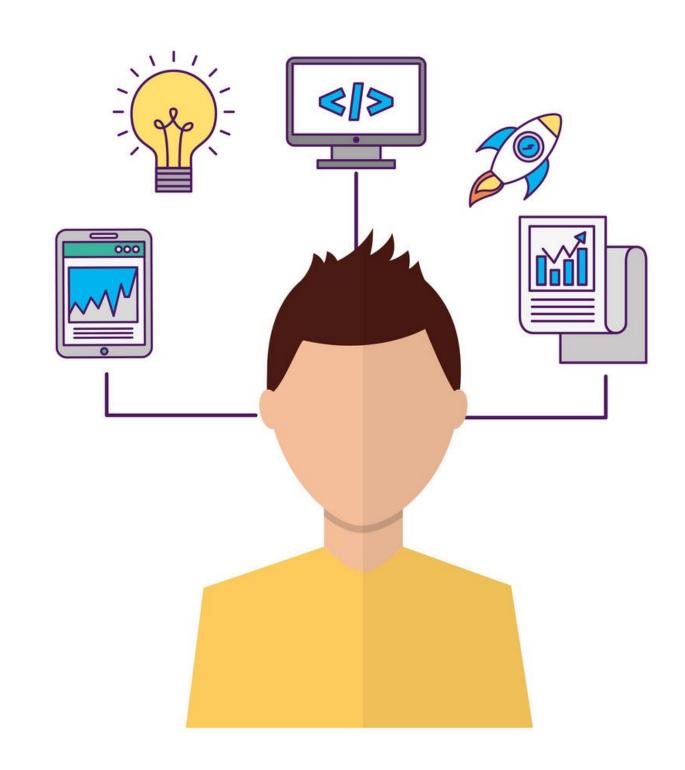






#### **Definition:**

Programming is the **process of creating instructions** for computers
to perform specific tasks.















Providing data and commands to computer.

The computer processes the input data using algorithms.

The computer produces results or actions based on the processed data.







Input: Adding coffee grounds and water into a coffee machine.





**Process**: The coffee machine brewing the coffee.





Output: A freshly brewed cup of coffee being poured into a mug.



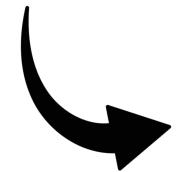


Input



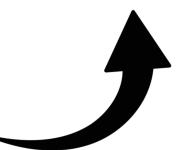






**Process** 



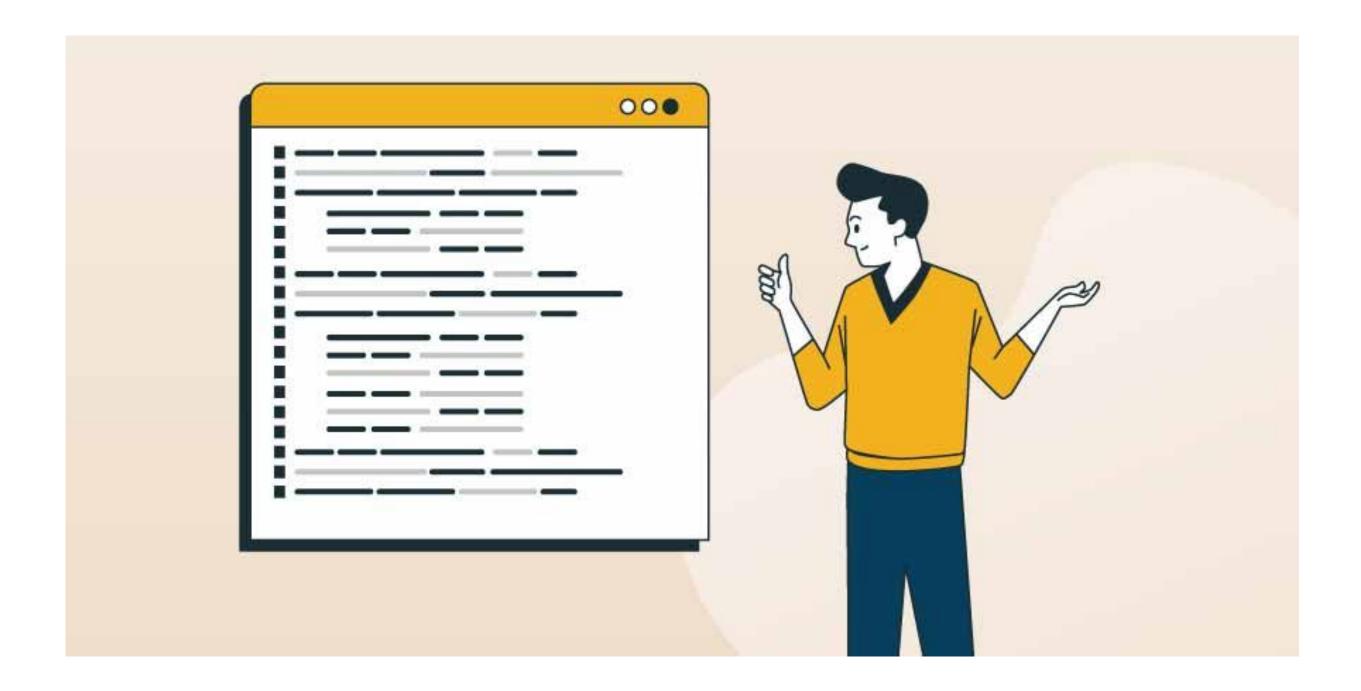




### Pseudocode in Programming



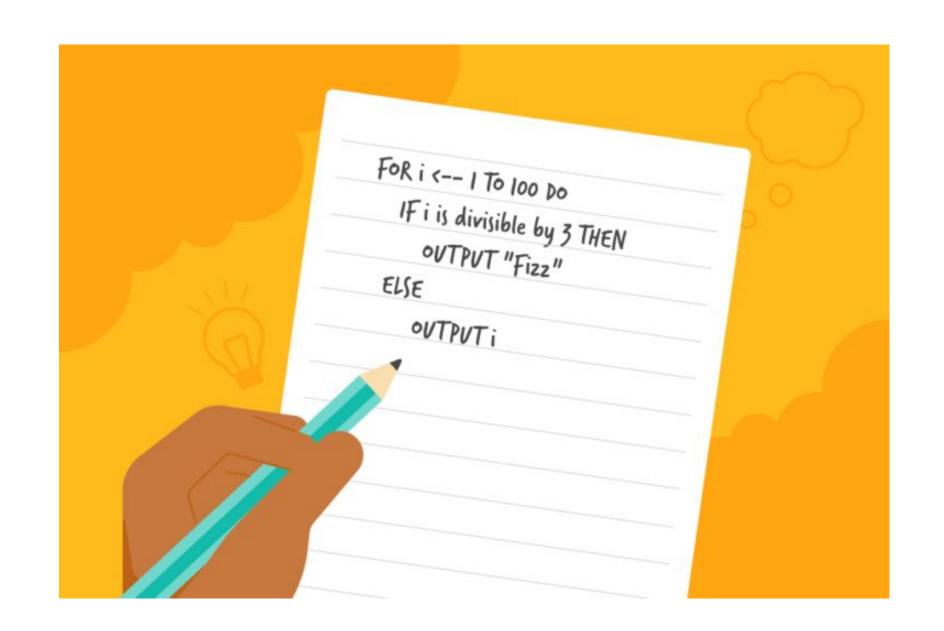






#### Pseudocode:

Pseudocode is a simplified, plain-language description of the **steps in a program**, used to plan and communicate ideas before writing actual code.





### Classroom Activity

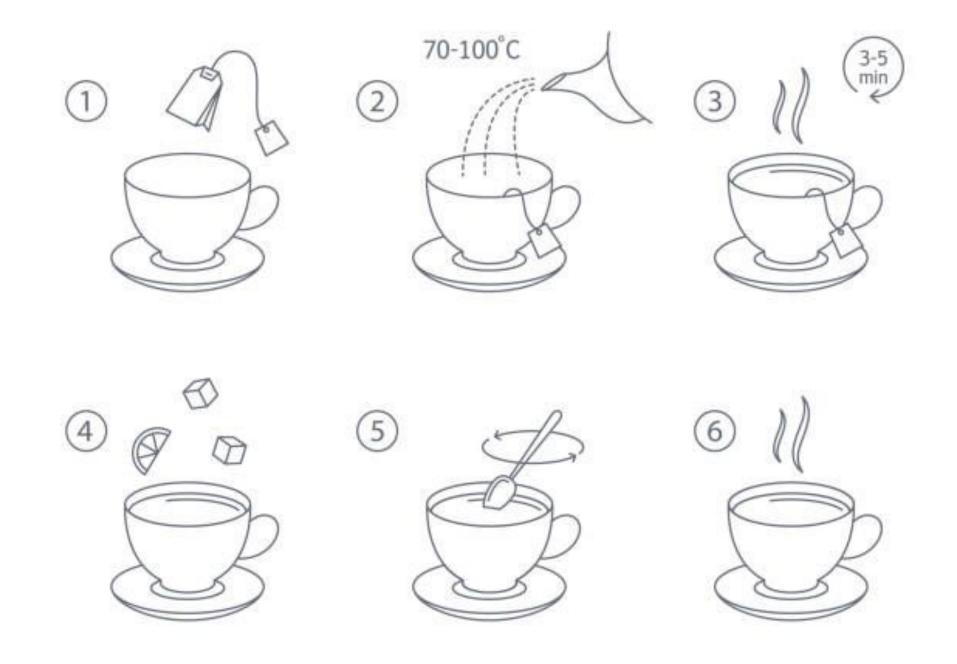
# Let's make coffee:)





# Steps for making a cup of Coffee:

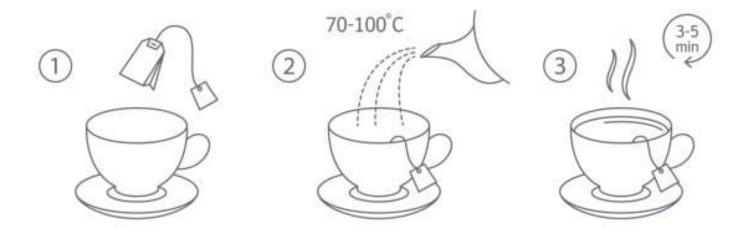




### Steps for making a cup of Coffee:



- 1. Start
- 2. Boil water
- 3. Add coffee bag to cup
- 4. Pour boiling water into cup
- 5. Decide: Do you want to add milk?
  - Yes: Add milk
  - No: Skip to next step
- 6. Stir the coffee
- 7. End







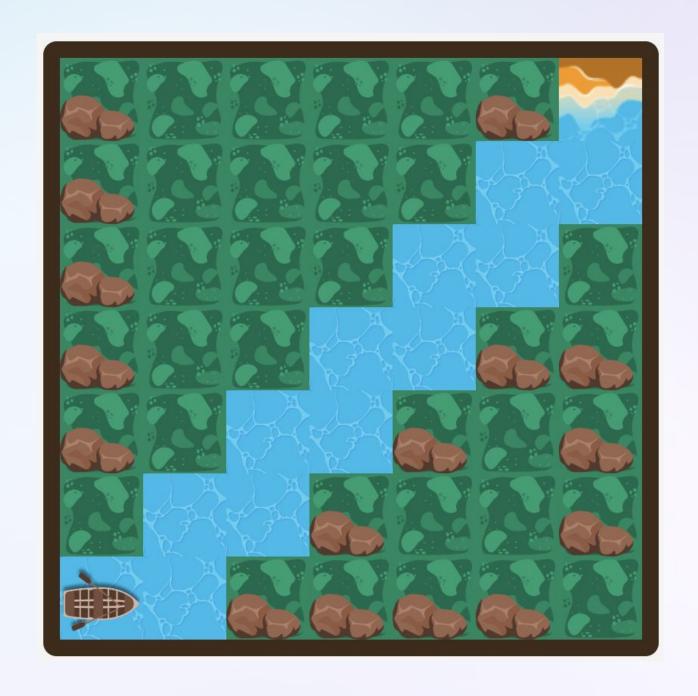


#### Game Time!

#### **Tortoise Water Game**



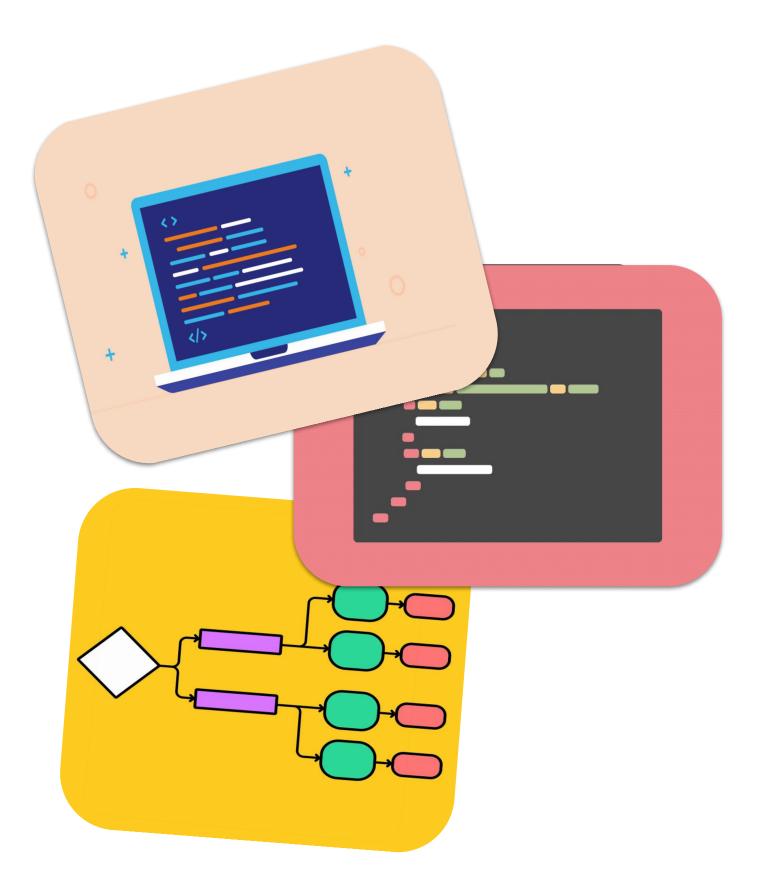
#### **Boat to the Shore**







- **Programming** Instructions for computers to perform specific tasks.
- **Pseudocode** Plain-language description of the steps in a program



# Thank You!