PYTHON FOR COMPUTATIONAL PROBLEM SOLVING
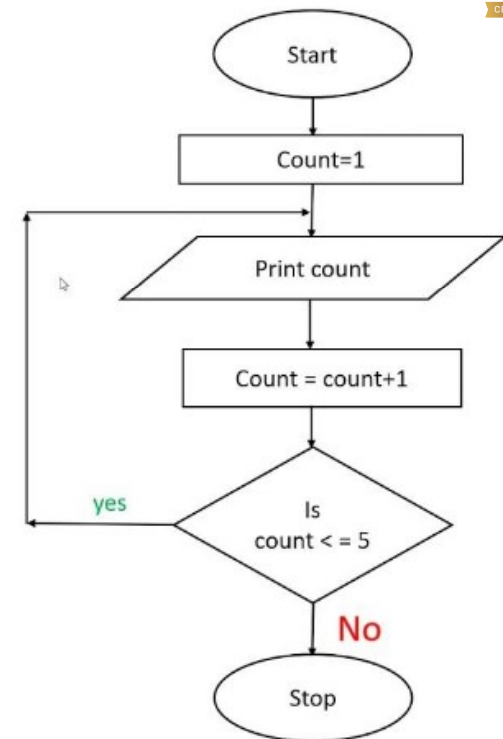
Structure of Python Programs

Prof. Sindhu R Pai
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Department of Computer Science and Engineering

Program Execution Flow

- Code is executed **line by line from top to bottom**

- Each statement **executed in sequence unless otherwise specified**, like in the case of constructs like loops and functions

- A **case-sensitive language.**

    input, INpuT are different

- **Rigid format**; not free-form.

- **Indentation is key.** Constructs like loops and conditional statements have indentation requirements that must be followed

- **The program must start from column 0 (the first column)**. You can't have a program start from an indented block.

Multi-line statements

- Ideally there must be only One statement per line.

- One statement can span across multiple lines

  1. Use Escape character '\' to ignore the EOL

  2. Use ( ) constructs

  3. Begin and end markers must be the same

- Multiple statements in one line separated by a ' ; '

- Single line comments begin with a # symbol

- The documentation string is used for commenting multiple lines which is written using a pair of triple " " " " " " quotes or ' ' ' ' ' '

THANK YOU

Department of Computer Science and Engineering

Dr. Shyalaja S S, Director, CCBD & CDSAML, PESU
Prof. Sindhu R Pai – sindhurpai@pes.edu
Prof. Chitra G M

Ack: Teaching Assistant – Advaith Sanil Kumar