



# Computer Fundamentals

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Lecture 25



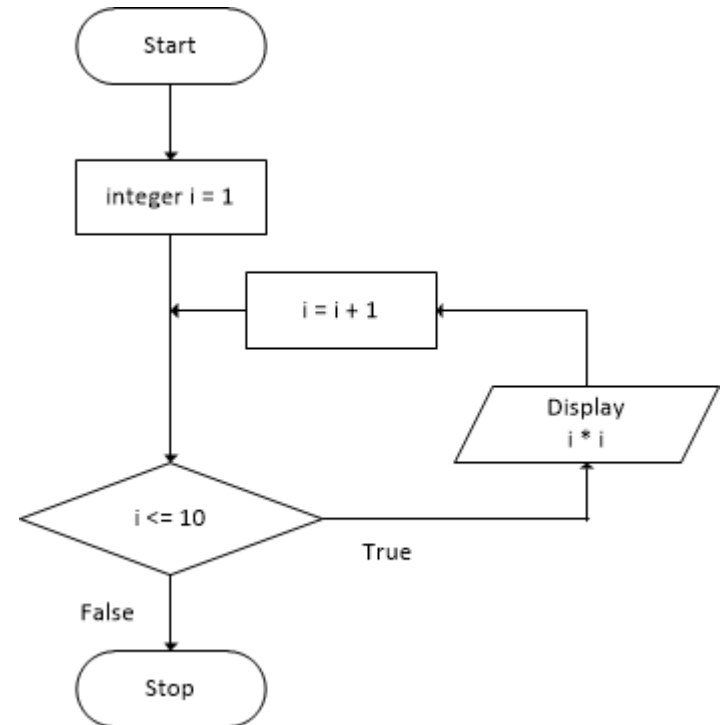
# Example

- Write pseudocode and draw flowchart for a program that displays the squares of first ten positive integers (1 - 10)



# Example (cont.)

```
FOR integer i equals 1 to 10  
  DISPLAY i times i  
END FOR
```





# Example (cont.)

- Write pseudocode and draw flowchart for a program that displays the first ten multiples of a number entered by the user. If the user enters 3, the output should be

3

6

9

...

30



# Examples (cont.)

- Write pseudocode and draw flowchart for a program that asks the user to enter an integer followed by one character among '+', '-', '\*' and '/' followed by another integer. If '+' is entered between the two integers, the sum of the two integers is displayed, difference is displayed if '-' is entered, '\*' for multiplication and '/' for division. In case of any other character entered by user, display text message "Invalid sign".



# Examples (cont.)

- Write pseudocode and draw flowchart for a program that asks the user to enter an integer and displays one the following messages:

Zero

Even positive

Even negative

Odd positive

Odd negative



# Examples (cont.)

- Write pseudocode and draw flowchart for a program that asks the user to enter an integer  $k$  and displays the text message "Exam"  $k$  times using `for` loop.