

Flowcharts & Pseudocodes (Assignment Questions)

Question 1 : Flowchart & Pseudocode to calculate the AREA of a rectangle.

Input : length & width (sides)

*Output : length*width (area)*

Question 2 : Flowchart & Pseudocode to calculate the AVERAGE of 3 Numbers.

Input : a, b, c

Output : (a+b+c)/3

Question 3 : Flowchart & Pseudocode to calculate the LARGEST of 3 Numbers.

Input : a, b, c

Output : Largest of a, b, c

Question 4 : Flowchart & Pseudocode to print if a number N is EVEN or ODD.

Input : n

Output: Even or Odd

[Hint : A number is even if it gives a remainder 0 when divided by 2.

In programming we can directly calculate the remainder using the "%" operator.

Eg- $20 \% 2$ is read as "20 remainder 2", which is equal to 0.

And to check if a number is even we write, $\text{num \% } 2 == 0$

Notice the double ==. We use ==, instead of a single = in programming to check equality.]

Question 5 : Flowchart & Pseudocode to print all multiples of 3 from 10 to 50.

Input : none

Output: 12 15 18 21 24 27 30 33 36 39 42 45 48

[Hint: To check if a number is a multiple of 3 we write, $\text{num \% } 3 == 0$]