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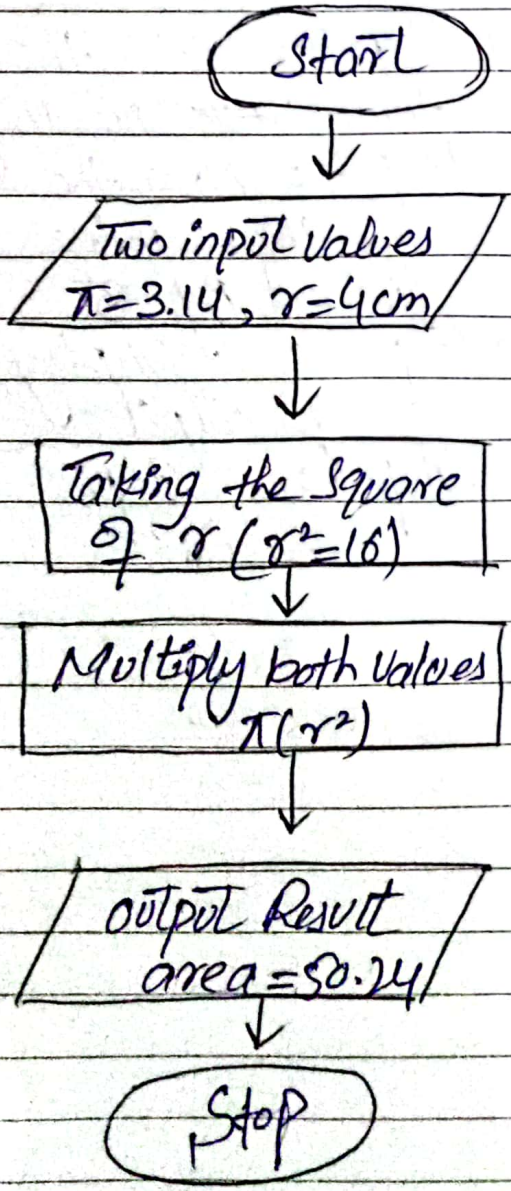
(PF Lab-1 Task) BS (CS-1)

LAB 1 : Flowchart & pseudo code

(Task-1)

Make a flowchart with pseudo-code. Calculate the area of Circle

Area = πr^2



* Step 1 : Start
* Step 2 : we have two values as input π=3.14 and radius of Circle r=4cm.
* Step 3 : Taking the Square of radius (r) $r^2 = 16$
* Step 4 : Multiply both values π and r^2 ($\pi r^2 = 50.24$
* Step 5 : Display result as output (50.24
* Step 6 : Stop, End.

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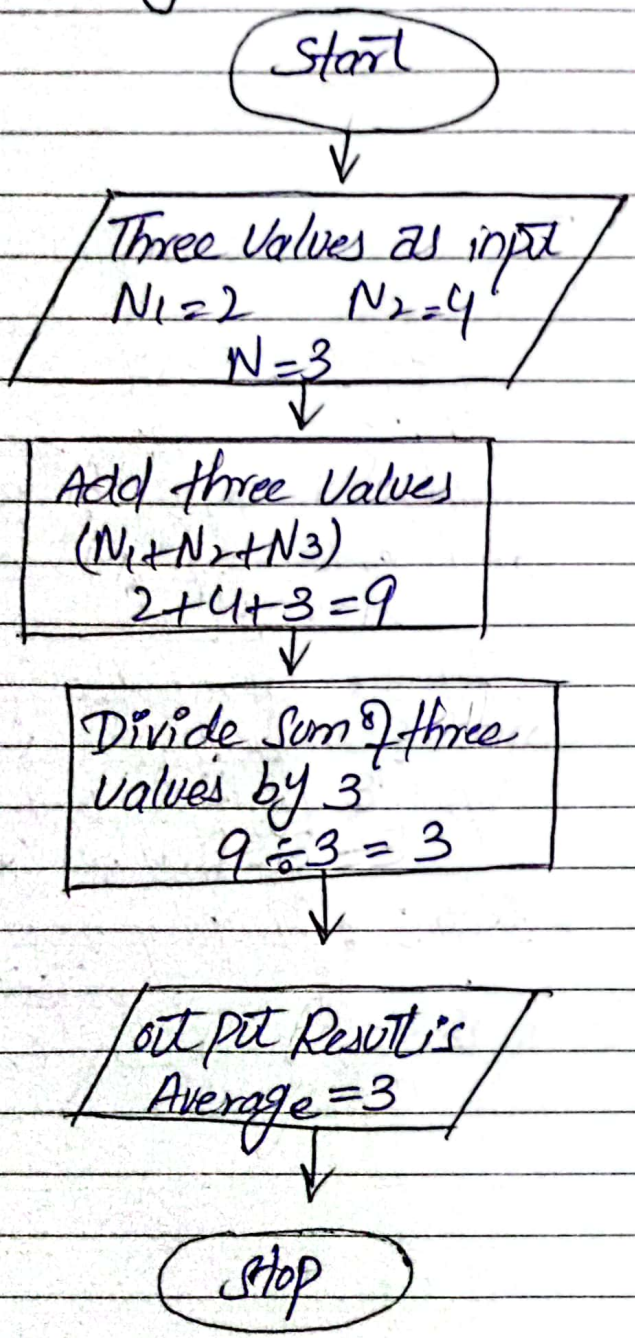
(TASK-2)

Creal Flowchart and Pseudo Code

Average = (Num1 + Num2 + Num3) / 3.



- Step 1: Start
- Step 2: Take three numbers as a input
  $N_1 = 2, N_2 = 4, N_3 = 3$
- Step 3: Add the three values N_1, N_2 & N_3
- Step 4: Now the Sum of three values is divided By 3
- Step 5: Display Result as output
- Step 6: Stop.

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(Task-3)

Given the expression X = Y * 2 - Z / 3 , where Y & Z equal to 5. Calculate the value of X.

X = Y = 5

X = Y * 2 - Z / 3
X = 5 * 2 - 5 / 3
X = 5 * 2 - 2
X = 10 - 2
X = 8

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Task - 4

Expression :

((12 - 3) * 4/2+5) && (3 < 4 || 7 >= 8)

(12-3) * 4/2+5) && (3<4 || 7>=8)

(9 * 4/2 +5) && (3 < 4 || 7 >= 8)

(9 * 2 + 5) && (3 < 4 || 7 >= 8)

(18 + 5) && (3 < 4 || 7 >= 8)

23 && (True || 7 >= 8)

23 AND (True || Fals)

True AND 1 OR 0

1 AND 1

1 (True)