Assingment - 1.

1. write algo and draw flowchart

a. find ē average of 3 numbers a, b & c.

→ Algorithm.

Step 1 Start.

Step 2 Read first number as a.

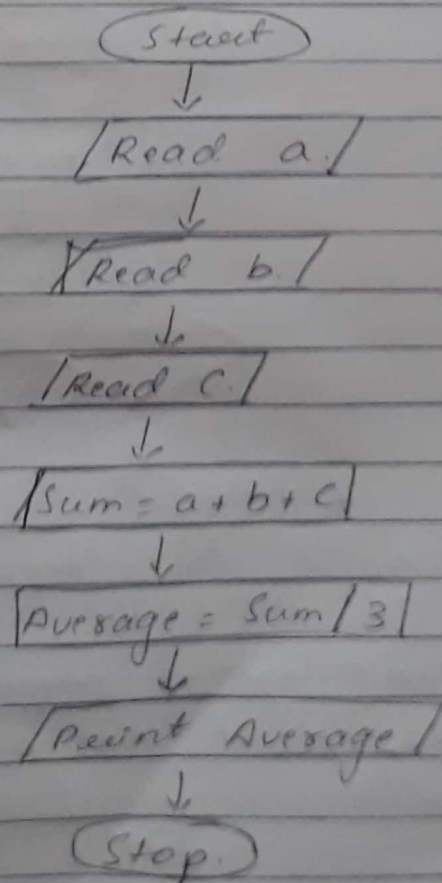Step 3. Read second number as b.

Step 4. Read third number as c.

Step 5. Sum ← a + b + c.

Step 6. Average ← Sum / 3.

Step 7 Print Average.

Step 8. Stop.

→ Flow chart.

Start

↓

Read a.

↓

Read b.

↓

Read c.

↓

Sum = a + b + c

↓
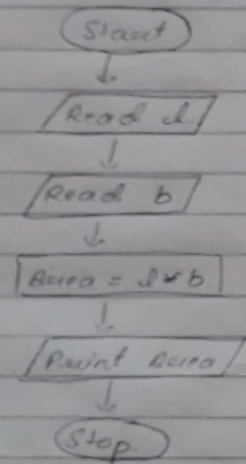
Average = Sum / 3

↓

Print Average

↓

Stop.

b. Find the area of rectangle where length and breadth are given.

→ Algorithm

Step 1   Start
Step 2   Read length
Step 3   Read breadth
Step 4   Area ← length × breadth
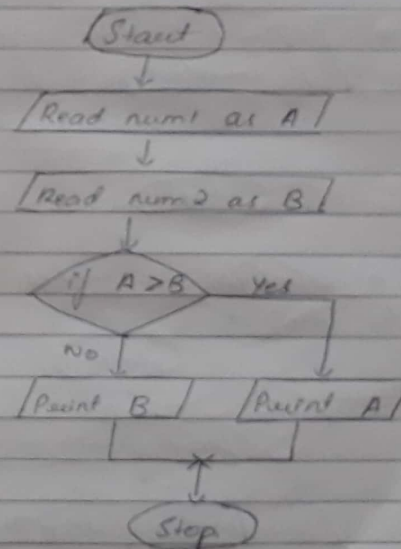Step 5   Print Area
Step 6   Stop

→ Flowchart

Start

↓

Read l

↓

Read b

↓

Area = l×b

↓

Print Area

↓

Stop

2) Draw the flowchart.

a. Read age of person if age less than 60 print "Not a senior citizen" otherwise print "Senior citizen"

Start

↓

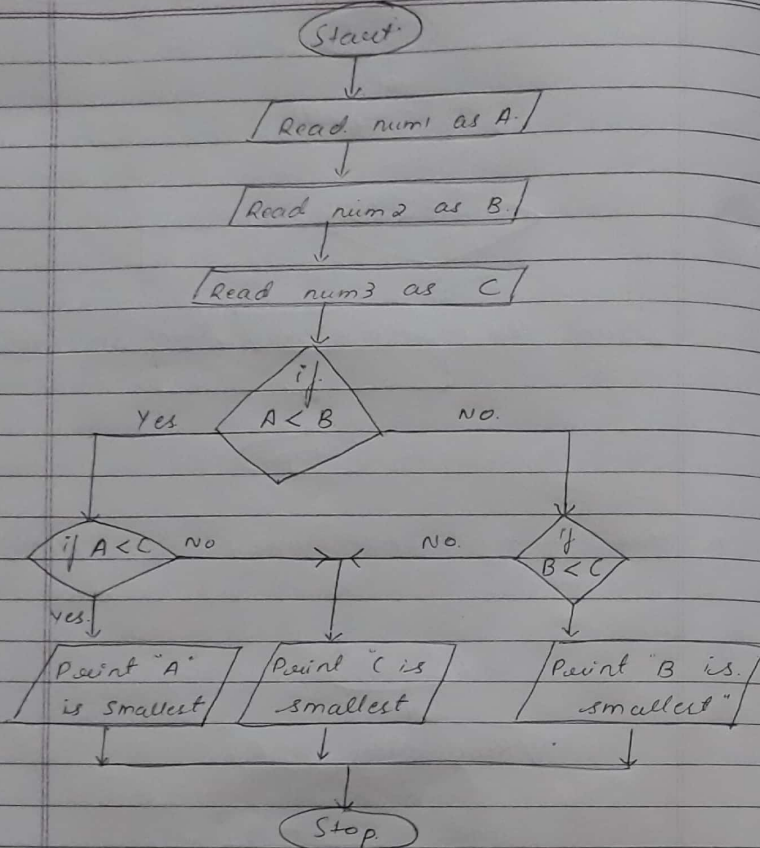Read age

↓

if age < 60 ?   No

Yes ↓

Print "Not a Senior Citizen"   Print "Senior Citizen"

↓

Stop
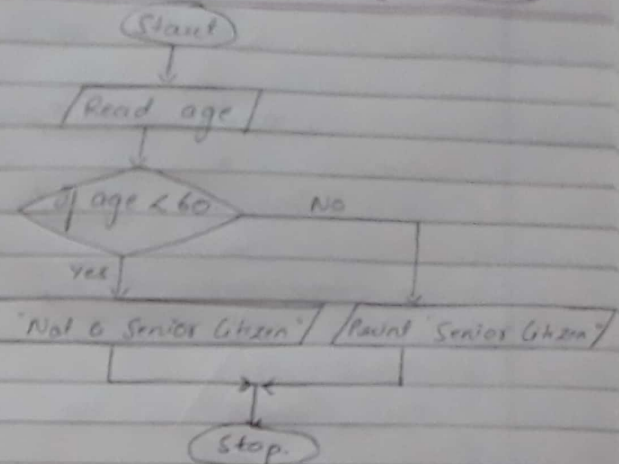
b. Read two numbers and print maximum of 2 numbers

Start

↓

Read num1 as A

↓

Read num2 as B

↓

if A > B ?   Yes

No ↓

Print B   Print A

↓

Stop

c. Read three numbers and smallest among 3 numbers

Start

Read num1 as A.

Read num2 as B.

Read num3 as C

if A < B

Yes   NO.

if A < C   No.   No.   if B < C

yes.

Print "A" is smallest | Print "C is smallest | Print "B is smallest"

Stop.
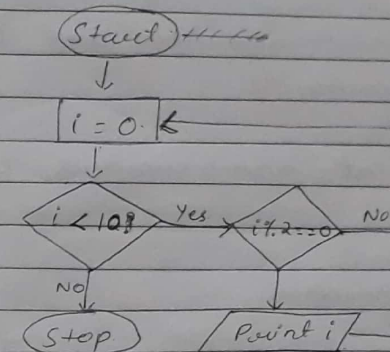
d. Read a number in inches and convert it into meters.

Start

Read length in inch

meter = length / 39.37

Print meter

Stop

e. Print 2, 4, 6, 8, 10.

Start

i = 0.

i < 10?   Yes   i%2==0   No

No

Stop   Print i