1. WRITE THE ALGORITHM AND DRAW THE FLOWCHARTS FOR THE FOLLOWING

A) FIND THE AVERAGE OF THREE NUMBERS A, B AND C.

Algorithm and flow chart

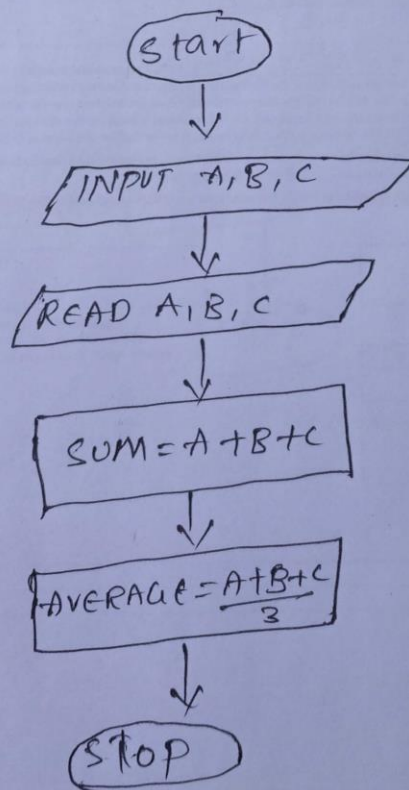① Find the average of three numbers

— Algorithm

→ 1. Start

2. Take the three inputs

3. Read three numbers

4. Find sum, $sum = a+b+c$

5. Find average, $average = a+b+c/3$

6. Stop

```
        ( Start )
            ↓
     / INPUT A, B, C /
            ↓
     / READ A, B, C /
            ↓
     | SUM = A+B+C |
            ↓
  | AVERAGE = A+B+C |
  |           ----- |
  |             3   |
            ↓
        ( STOP )
```
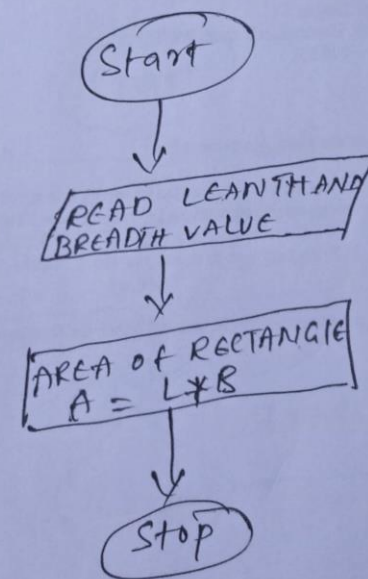
B) FIND THE AREA OF A RECTANGLE WHOSE LENGTH AND BREADTH ARE GIVEN.

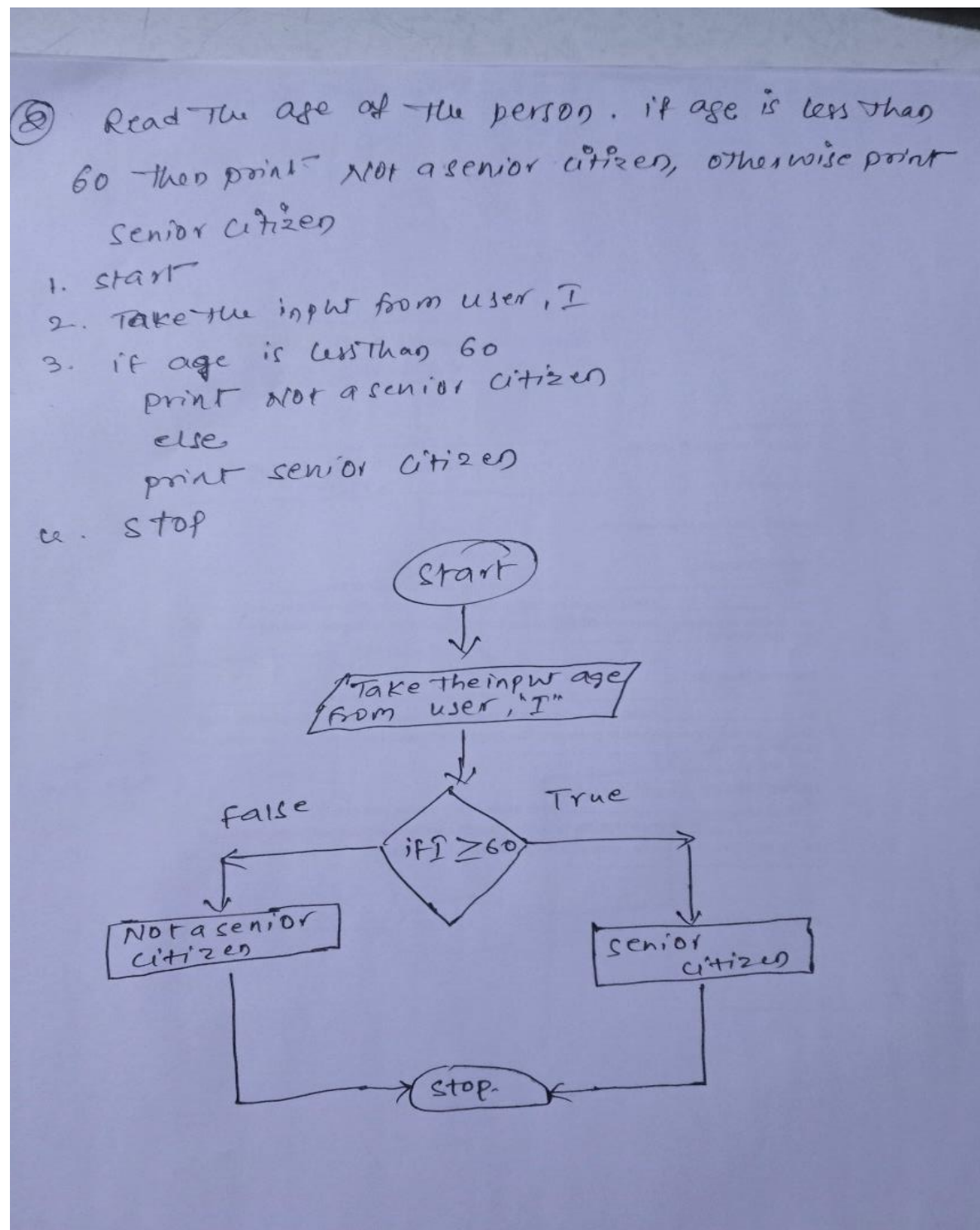② Find the area of a rectangle whose length and breadth given

Algorithm

1. Start

2. Read the values of length and breadth of rectangle

3. Find the area of rectangle,
   Area of rectangle $\Rightarrow A = L*B$.

4. Stop.

Start

READ LEANTH AND BREADTH VALUE
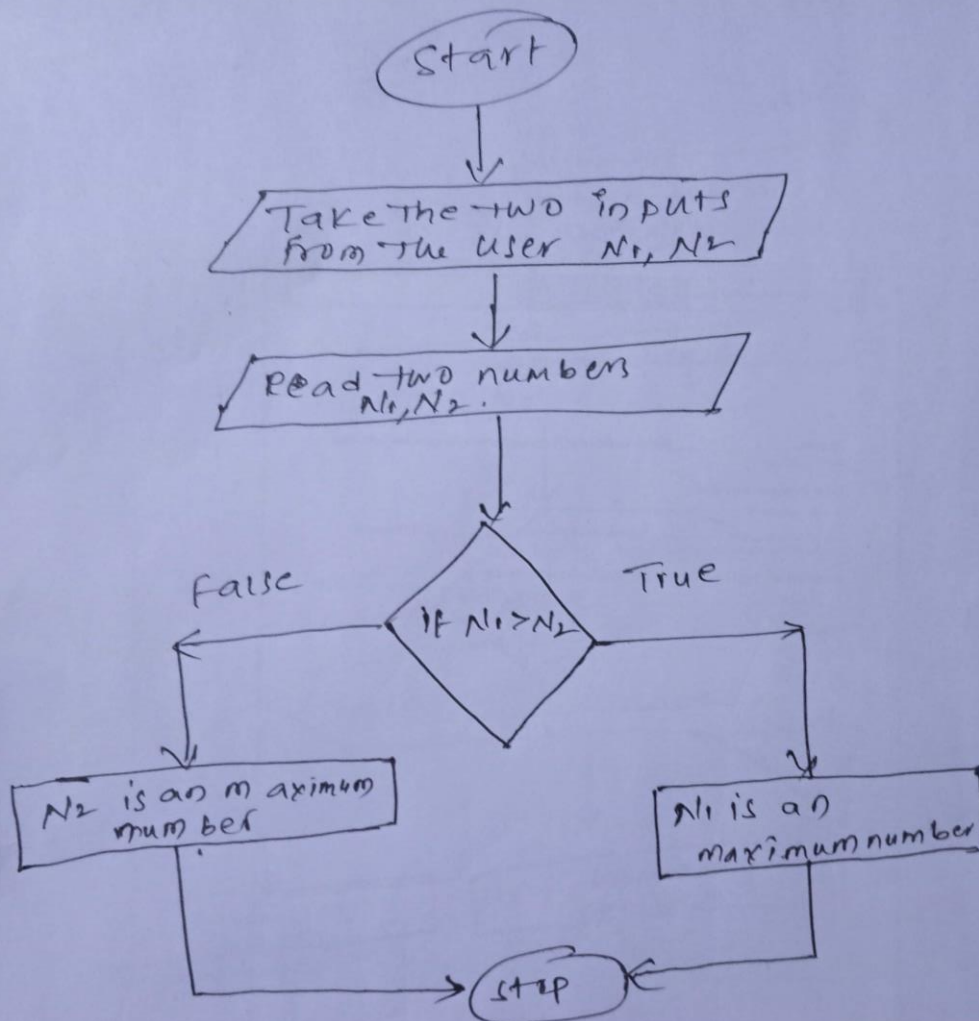
AREA OF RECTANGLE
A = L*B

Stop

2. DRAW THE FLOWCHARTS FOR THE FOLLOWING

A) READ AGE OF A PERSON. IF AGE LESS THAN 60 THEN PRINT "NOT A SENIOR CITIZEN" OTHERWISE PRINT "SENIOR CITIZEN".

(8) Read the age of the person. if age is less than 60 then print Not a senior citizen, otherwise print senior citizen

1. start
2. Take the input from user, I
3. if age is less than 60
   print Not a senior citizen
   else
   print senior citizen
4. stop

B) READ TWO NUMBERS AND PRINT MAXIMUM OF 2 NUMBERS.
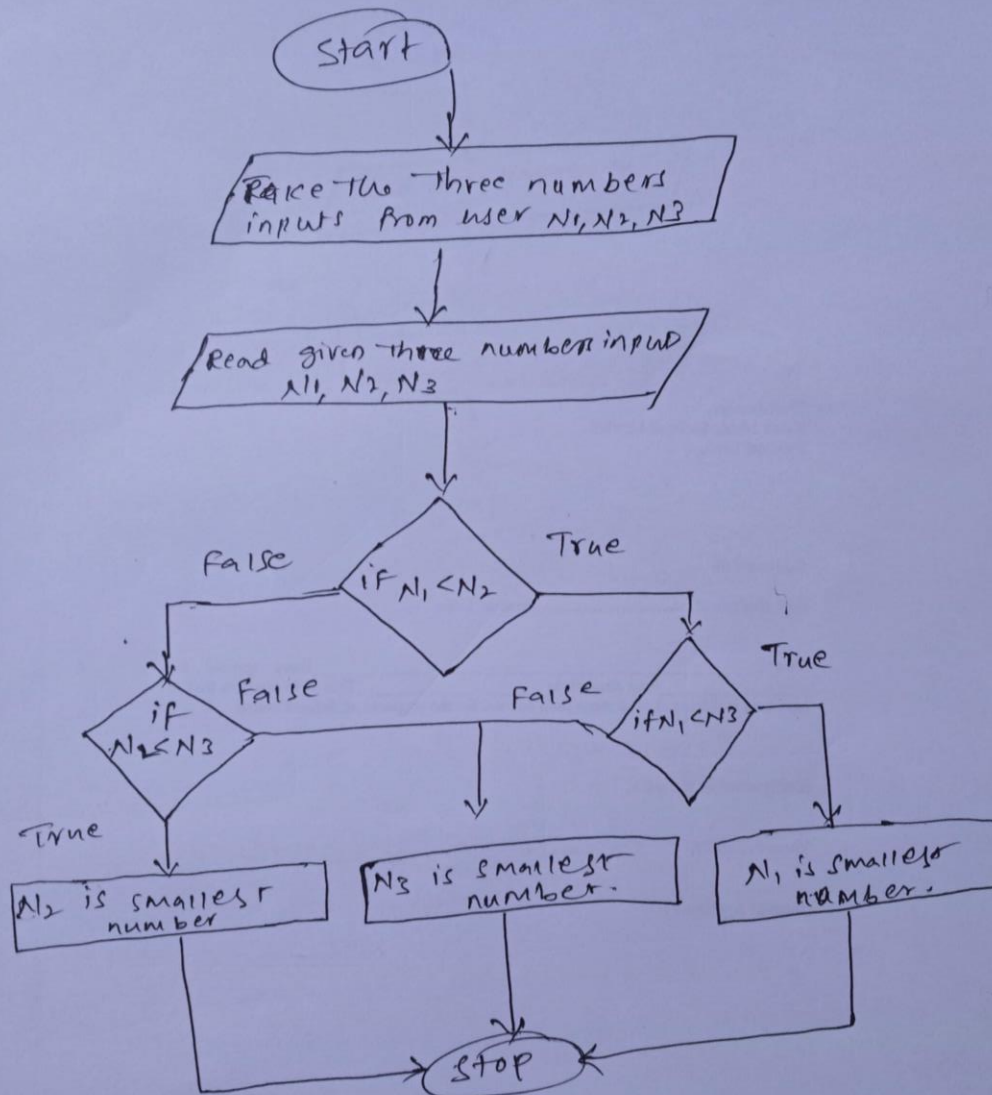
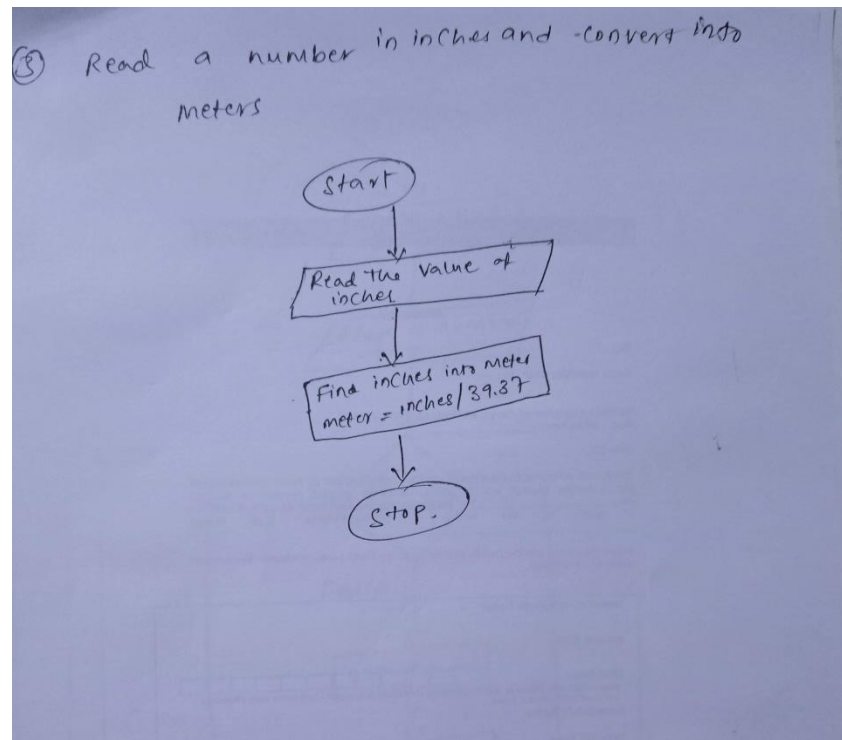Ⓑ Read two numbers and print max
of 2 numbers

Start

Take the two inputs
from the user N_1, N_2

Read two numbers
N_1, N_2.

If $N_1 > N_2$

False

True

N_2 is an maximum number

N_1 is an maximum number

Stop

C) READ THREE NUMBERS AND PRINT SMALLEST AMONG 3 NUMBERS.

(C) Read three numbers and print smallest among 3 numbers.

Start

Take the three numbers inputs from user N1, N2, N3

Read given three numbers input N1, N2, N3

if N1 < N2

False → if N2 < N3

True → if N1 < N3

False

True

N2 is smallest number

N3 is smallest number

N1 is smallest number

Stop

D) READ A NUMBER IN INCHES AND CONVERT IT INTO METERS.

⑤ Read a number in inches and convert into meters

Start

Read the value of inches

Find inches into meter
meter = inches/39.37

Stop.

E) PRINT 2,4,6,8,10

(a) print 2, 4, 6, 8, 10

Start

Input value
N = 0

Read a number
num

if
N > 10

false

num + 2 = N

print N

Stop