1.)

A.) Average of three Number a, b, and c.

Algorithm:-

$\Rightarrow$ Start

$\Rightarrow$ Read a, B, C, Avg.

$\Rightarrow$ Read a, b, c.

$\Rightarrow$ Average is Equal to $(a+b+c)/3$

$\Rightarrow$ print "Avg"

$\Rightarrow$ End.

Flowchart:-

Start

$\downarrow$

Read A, B, C, Avg

$\downarrow$

$Avg = a + b + c/3$

$\downarrow$

Print Avg

$\downarrow$

End
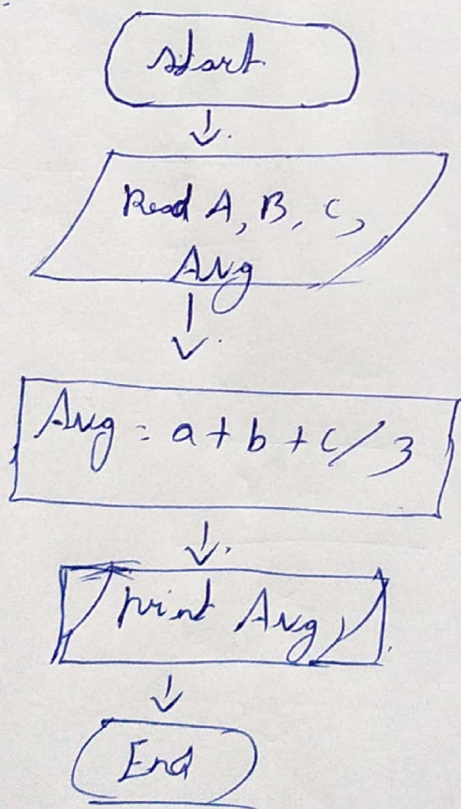
Q) find the Area of rectangle whose length & breadth

Algorithm:

=) start

=). Input length & breadth.

=) Area = length × breadth

=) print Area.

=). stop.

flow chart:

(Start)

↓

/ Read length & breadth. /

↓

[Area = length × breadth]

↓

[print Area]

↓

(End)
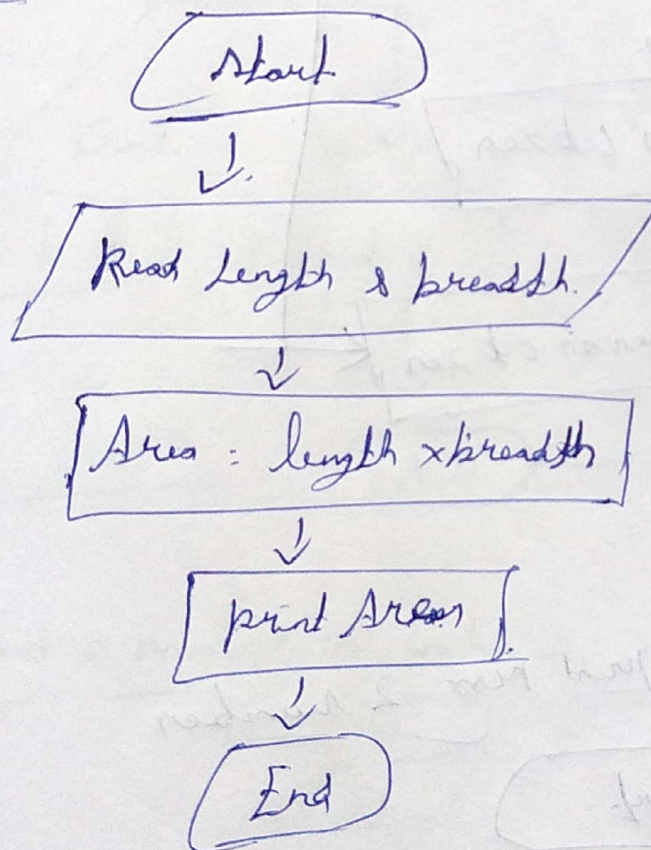
2.) Draw the flowchart

a) Age of person:

```
               ┌──────────────┐
               │    start     │
               └──────┬───────┘
                      ↓
             ┌────────────────────┐
            /  Read Age as 'A'    /
           └─────────┬──────────┘
                      ↓
                    ◇ If            False
                   / A > 60 \────────────┐
                   \        /            │
                     ↓ True              │
          ┌──────────────────────┐       │
          │ print " senior citizen │      │
          └──────────┬────────────┘       │
                                          ↓
          ┌──────────────────────────┐
         / print " Not a senior citizen /←──
         └──────────┬────────────────┘
                     ↓
               ( End )
```

B) Read two Number & print Max 2 Number

```
               ┌──────────────┐
               │    start      │
               └──────┬────────┘
                      ↓
             ┌────────────────┐
            /  Read a & b     /
           └────────┬─────────┘
                      ↓
                    ◇ If            False
                   / a > b \────────────┐
                   \       /            │
                     ↓ True             │
              ┌───────────┐             │
              │  print a  │             │
              └───────────┘             │
                     ↓                  ↓
              ┌───────────┐
              │ print b   │←────────────
              └─────┬─────┘
                     ↓
                 ( End )
```
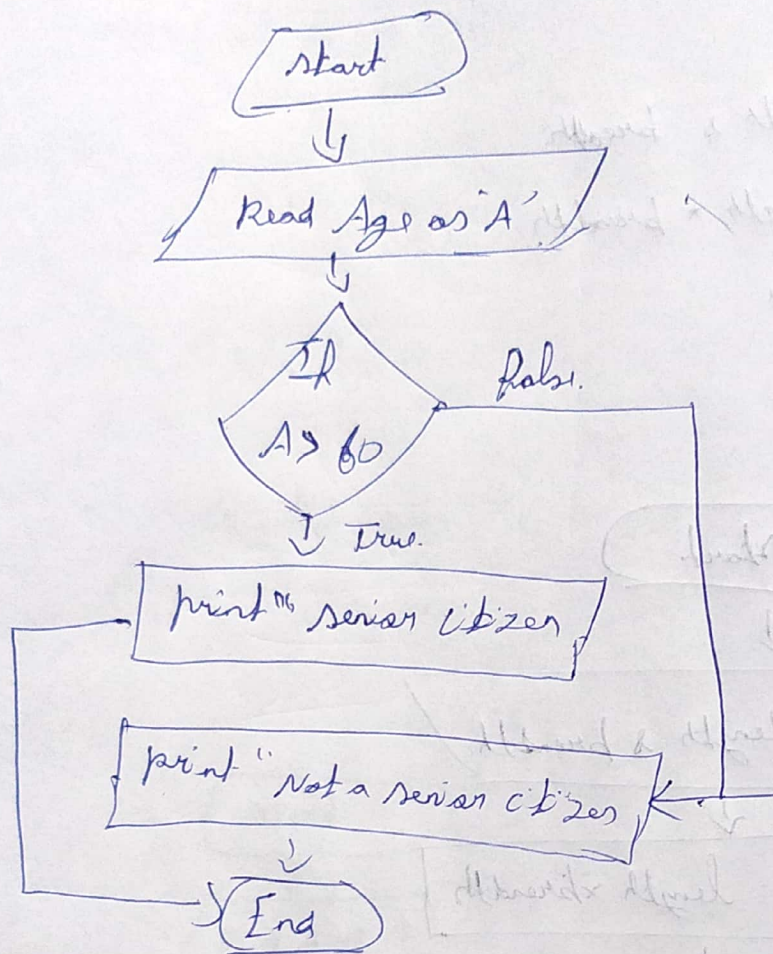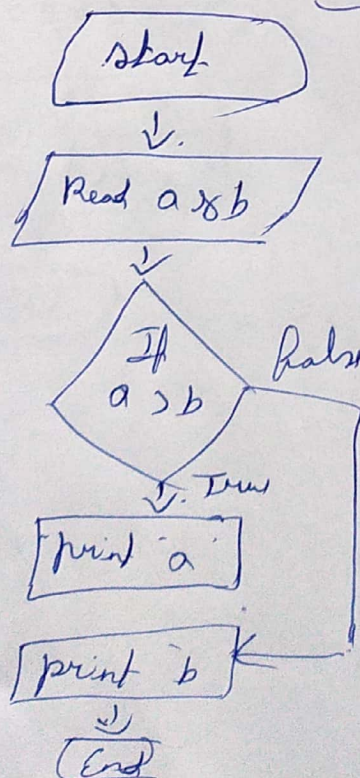
b) Read three number & print smallest among 3 numbers

```
                    ( Start )
                       |
                       v
              / Read a, b, c /
                       |
                       v
   False           /  if  \           True
 +--------------- <  a < b  > ---------------+
 |                  \      /                 |
 v                                           v
/ IF \    False          False          /  IF  \
<     >-----------+         |        +---< a < c >
\ b < c /         |         |        |    \     /
 |  True          |         |        |       True
 v                |         v        |        v
+---------+       |    +---------+   |   +---------+
| print b |       |    | print c |   |   | print a |
+---------+       |    +---------+   |   +---------+
 |                |         |        |        |
 |                +-------+ | +------+        |
 |                        | v |               |
 |                   ( END )                  |
 +-------------------------------------------+
```
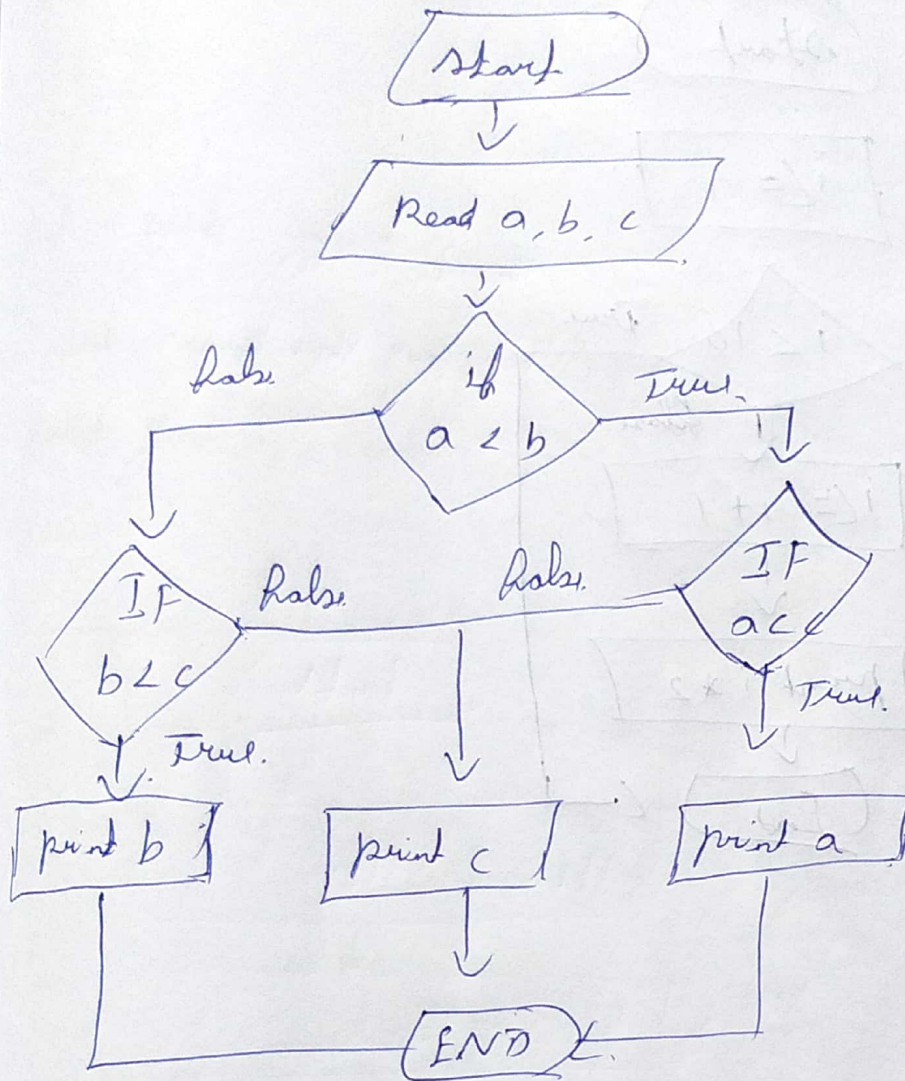
d) Read a number in inches & convert into meter.

```
        ( Start )
            |
            v
  / Read "a" in Inches /
            |
            v
  [ meter = a × 0.0254 ]
            |
            v
  / print meter /
            |
            v
        ( End )
```

e) print 2, 4, 6, 8, 10

```
        ( Start )
            |
        [ i <= 1 ]
            |
            v
        /  i < 10  \  True.
        \          / ----.
            | False.       |
            v              |
      [ i <= i + 1 ]       |
            |              |
            v              |
      [ print i * 2 ]      |
            |              |
            v              |
        ( End )  <---------
```