a). Find the average of 3 numbers a, b & c

Flow chart

$$\boxed{\text{start}}$$

$$\downarrow$$

$$\text{Input } a, b, c$$

$$\downarrow$$

$$\text{Sum} = a + b + c$$

$$\downarrow$$

$$avg = sum / 3$$

$$\downarrow$$

$$\text{Print } avg$$

$$\downarrow$$
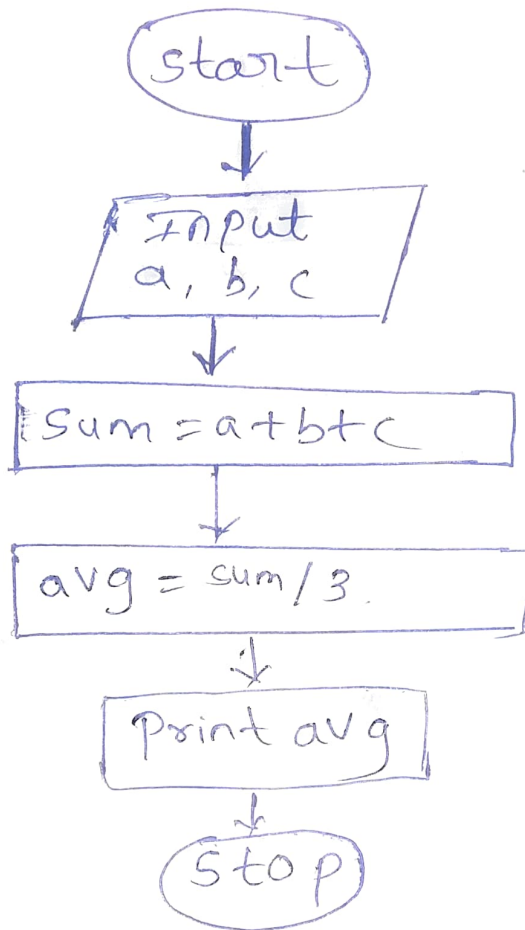
$$\boxed{\text{stop}}$$
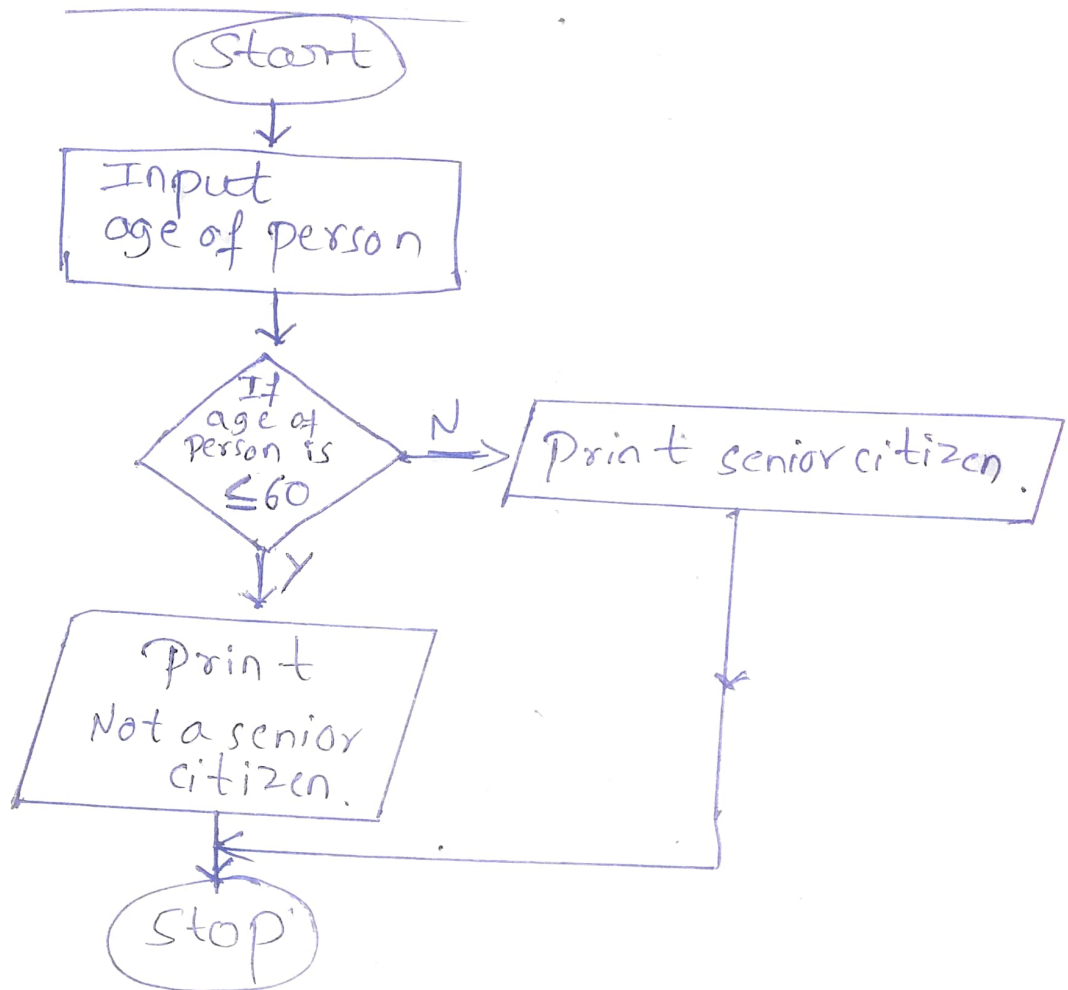
Algorithm

Step 1 : start

Step 2 : Input a, b, c

Step 3 : sum = a + b + c

Step 4 : avg = sum/3

Step 5 : print avg

Step 6 : stop.

2.a Read age of person. If age less than 60 then Print "Not a senior citizen" otherwise print "senior citizen".

flow chart

```
        ( Start )
            |
            v
    +----------------+
    |     Input      |
    |  age of person |
    +----------------+
            |
            v
         /\  
        /  \   If
       / age of \      N
      < person is >------->  +------------------------+
       \  ≤60   /            | Print senior citizen.  |
        \      /             +------------------------+
         \    /                         |
           | Y                          |
           v                            |
  +------------------+                  |
  |     Print        |                  |
  |  Not a senior    |                  |
  |    citizen.      |                  |
  +------------------+                  |
            |                           |
            v                           |
         ( Stop ) <---------------------+
```
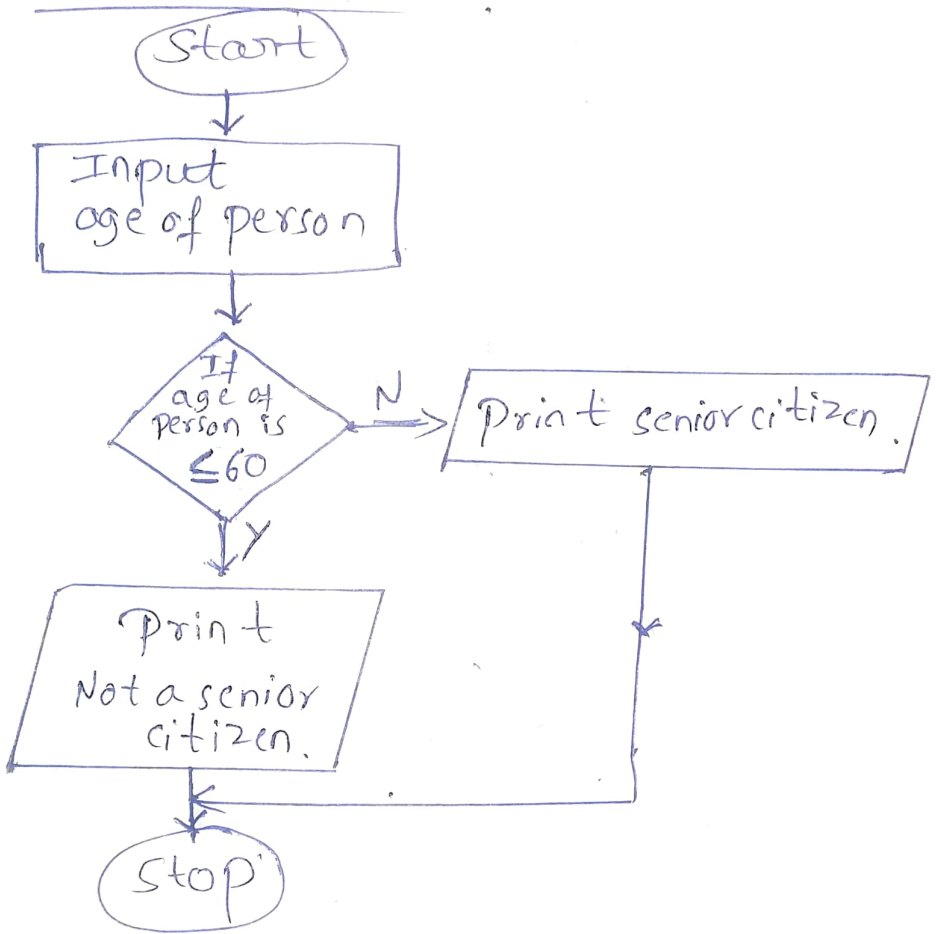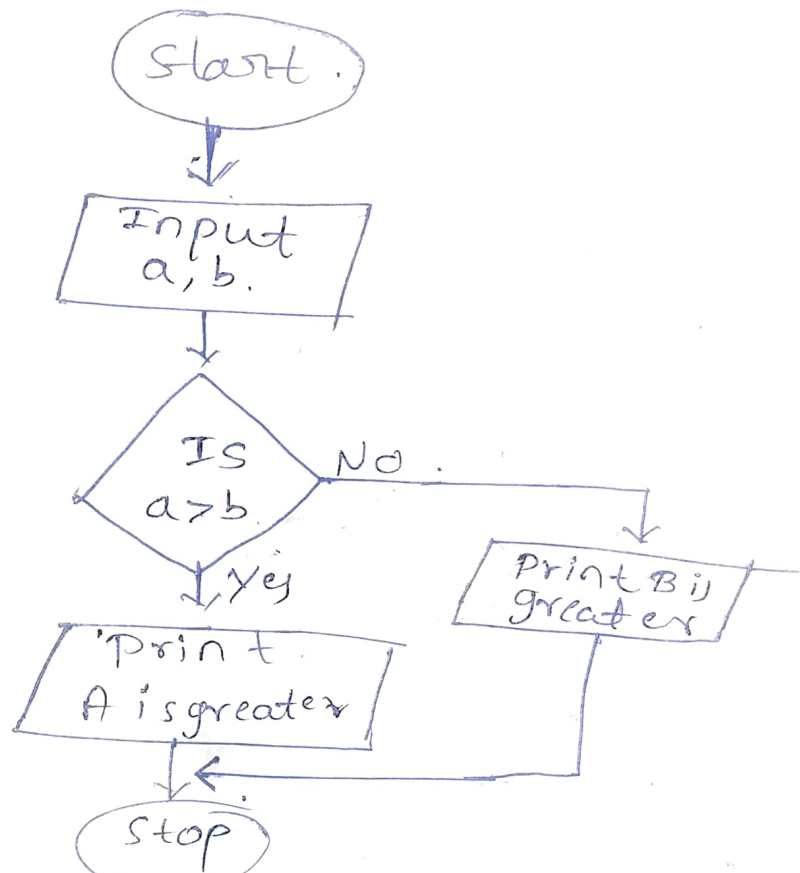
2.a Read age of person. If age less than 60 then Print "Not a senior citizen" otherwise print "senior citizen".

flow chart

```
                    ( Start )
                        |
                        v
              +-------------------+
              |  Input            |
              |  age of person    |
              +-------------------+
                        |
                        v
                     /\
                    /  \
                   / If \
                  / age of \    N
                  \ person is /------->  +----------------------+
                   \  ≤60   /            | Print senior citizen |
                    \  /                 +----------------------+
                     \/                            |
                      | Y                          |
                      v                            |
              +-------------------+                |
              |  Print            |                |
              |  Not a senior     |                |
              |  citizen.         |                |
              +-------------------+                |
                      |                            |
                      v <-------------------------+
                  ( Stop )
```

2.b. Read 2 no. & print maximum of 2 number.
flow chart.

```
                    ( Start )
                        |
                        v
                  +-----------+
                  |  Input    |
                  |  a, b.    |
                  +-----------+
                        |
                        v
                     /  IS  \        No.
                    <  a > b  >-------------->  +-----------+
                     \      /                   | Print B is|
                        |                       | greater   |
                      Yes                       +-----------+
                        v                             |
                  +-------------+                     |
                  | Print       |                     |
                  | A is greater|<--------------------+
                  +-------------+
                        |
                        v
                    ( Stop )
```

2.C Smallest of 3 numbers

```
                    ( Start )
                        |
                        v
                  +-----------+
                  |  Input    |
                  |  A, B, C. |
                  +-----------+
                        |
            No        /  IS  \      Yes
       <-------------<  A < B  >-------------->
       |              \      /                 |
       v                                       v
     /  IS \   No            No      /  IS  \
    <  B < C >----->    <-----------< A < C  >
     \     /                         \      /
       |                                 |
      Yes              |               Yes
       v               v                 v
   +--------+     +----------+      +--------+
   | Print  |     | Print    |      | Print  |
   | B is   |     | C        |      | A is   |
   | smaller|     | is smaller|     | smaller|
   +--------+     +----------+      +--------+
       |               |                 |
       +-------------->( Stop )<----------+
```
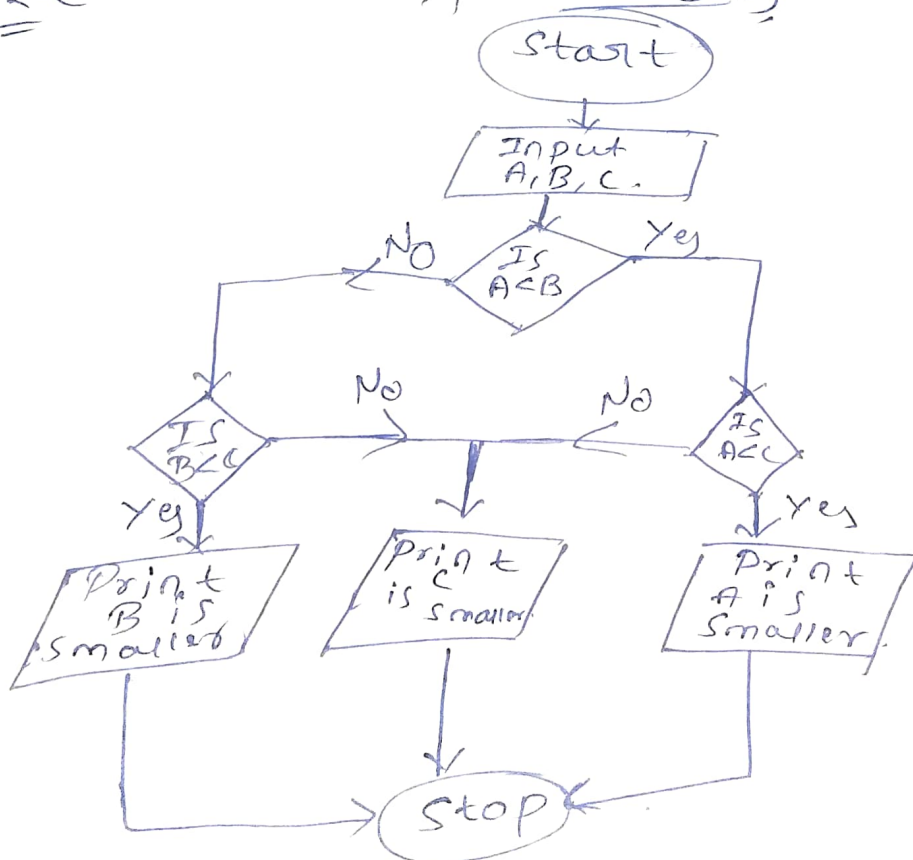
... to convert inches to meter.

(Start)

↓

Input In inches (X)

↓

$meter = X * 0.02539$

↓

Print / meter

↓

(Stop)

2.C: Print 2, 4, 6, 8, 10.

(Start)

↓

Num = 2.

↓

IS num > 10 — Yes

↓ NO.

Print num

↓

Num = Num + 2

↓

(Stop) Yes.