1.@ Find the average of three numbers a, b, c

→ Step 1: Start
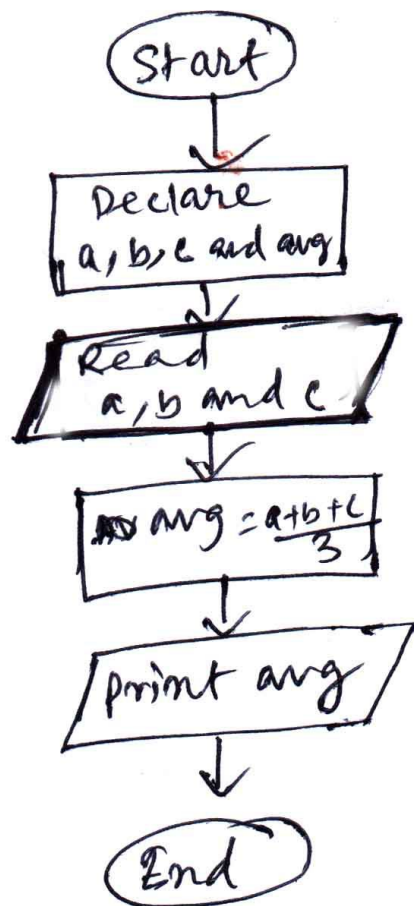
2: Declare a variable a, b, c and avg as int;

3: Read three numbers a, b and c.

4: calculate $avg = a+b+c/3$

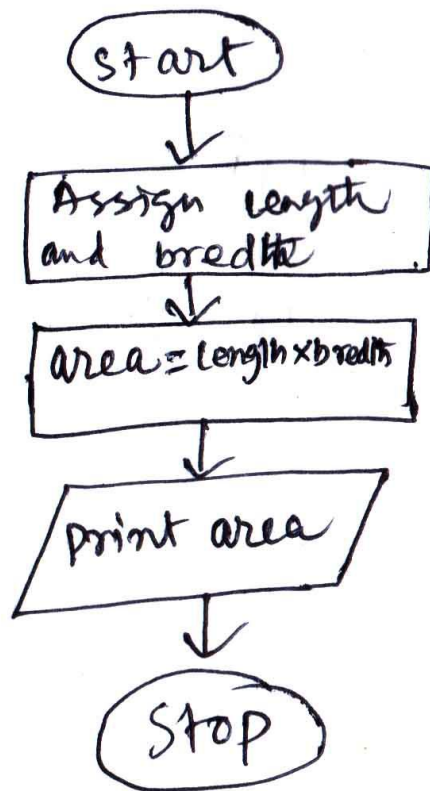5: print Avg.

6: stop

```
        ( Start )
           |
           v
    ┌──────────────┐
    │   Declare    │
    │ a, b, c and avg │
    └──────────────┘
           |
           v
    ╱──────────────╱
   ╱    Read      ╱
  ╱   a, b and c ╱
 ╱──────────────╱
           |
           v
    ┌──────────────┐
    │ avg = a+b+c  │
    │        3     │
    └──────────────┘
           |
           v
    ╱──────────────╱
   ╱  print avg   ╱
  ╱──────────────╱
           |
           v
       ( End )
```

(b) Find the area of a rectangle whose length and breadth are given.

→ Step 1: Start

2: Assign lenght and breadth

3: calculat area = lenght × breadth

4: print area

5: Stop

```
        ( start )
           │
           ▼
   ┌──────────────────┐
   │ Assign length    │
   │ and bredth       │
   └──────────────────┘
           │
           ▼
   ┌──────────────────────┐
   │ area = length × bredth │
   └──────────────────────┘
           │
           ▼
   ┌──────────────────┐
   │  Print area      /
   └──────────────────┘
           │
           ▼
        ( Stop )
```

2. @ Read age of a person, if age less than 60 then print "Not a senior citizen" other wise print "Senior citizen".

```
         Start

         Read

        (Start)
          ↓
      [readage]
          ↓
       ◇ age < 60 ◇ ── Yes ──┐
          │                   │
     [print              [Print Not a
   "senior citizen"]      senior citizen]
          │                   │
          └──────→ (Stop) ←────┘
```
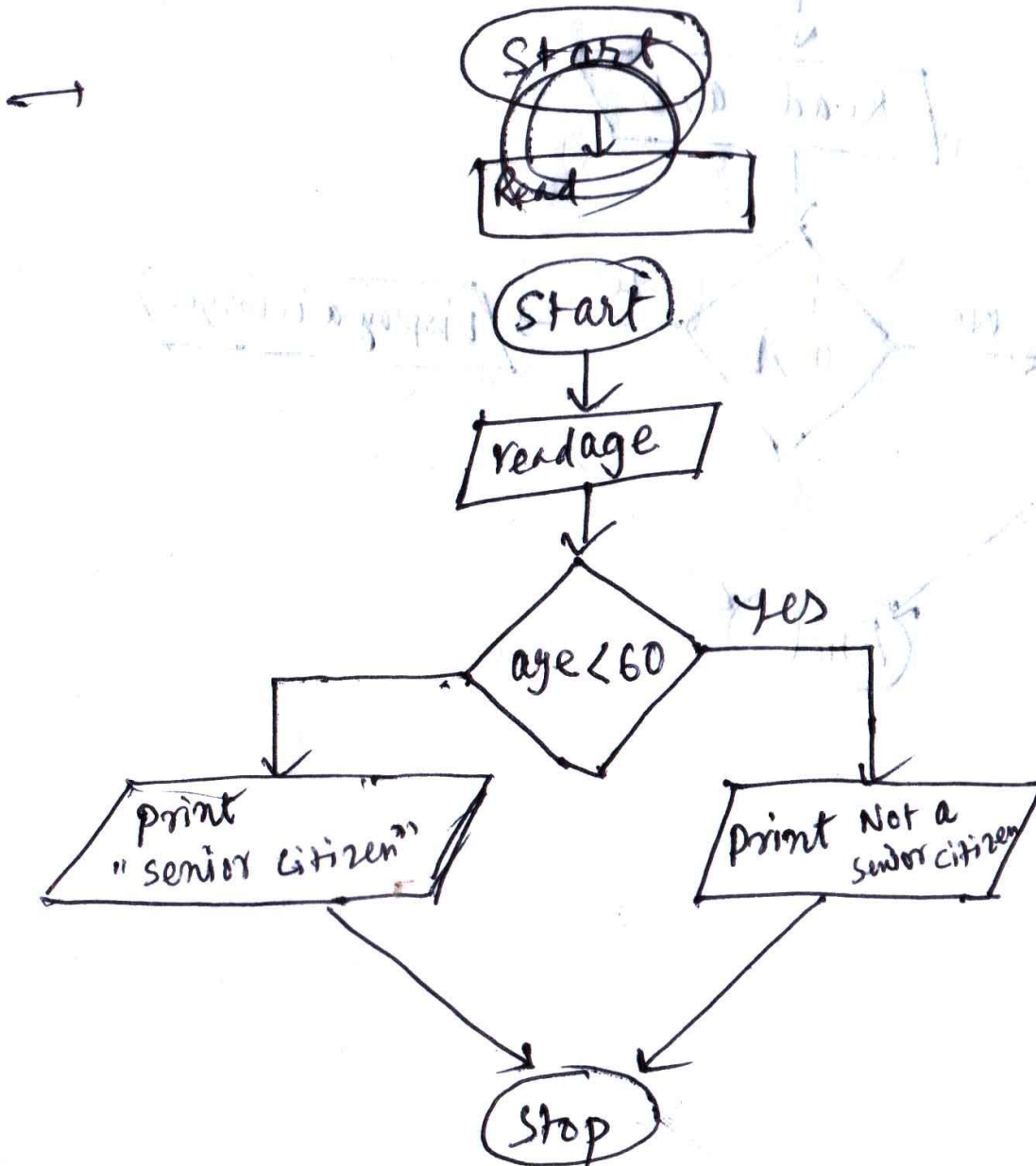
(b) Read two numbers and print maximum of 2 numbers.

$\rightarrow$

```
                    ( Start )
                        |
                        v
                 +----------------+
                 |  Read  a,b    /
                 +----------------+
                        |
                        v
                      / \
                     /   \
                    / is  \ ---- Yes ---->  / Display a is larger /
    <--- No -------<  a>b  >
 / Display b is larger /    \   /
                     \ /
                      |
                      |
                      v
                  ( End )
```
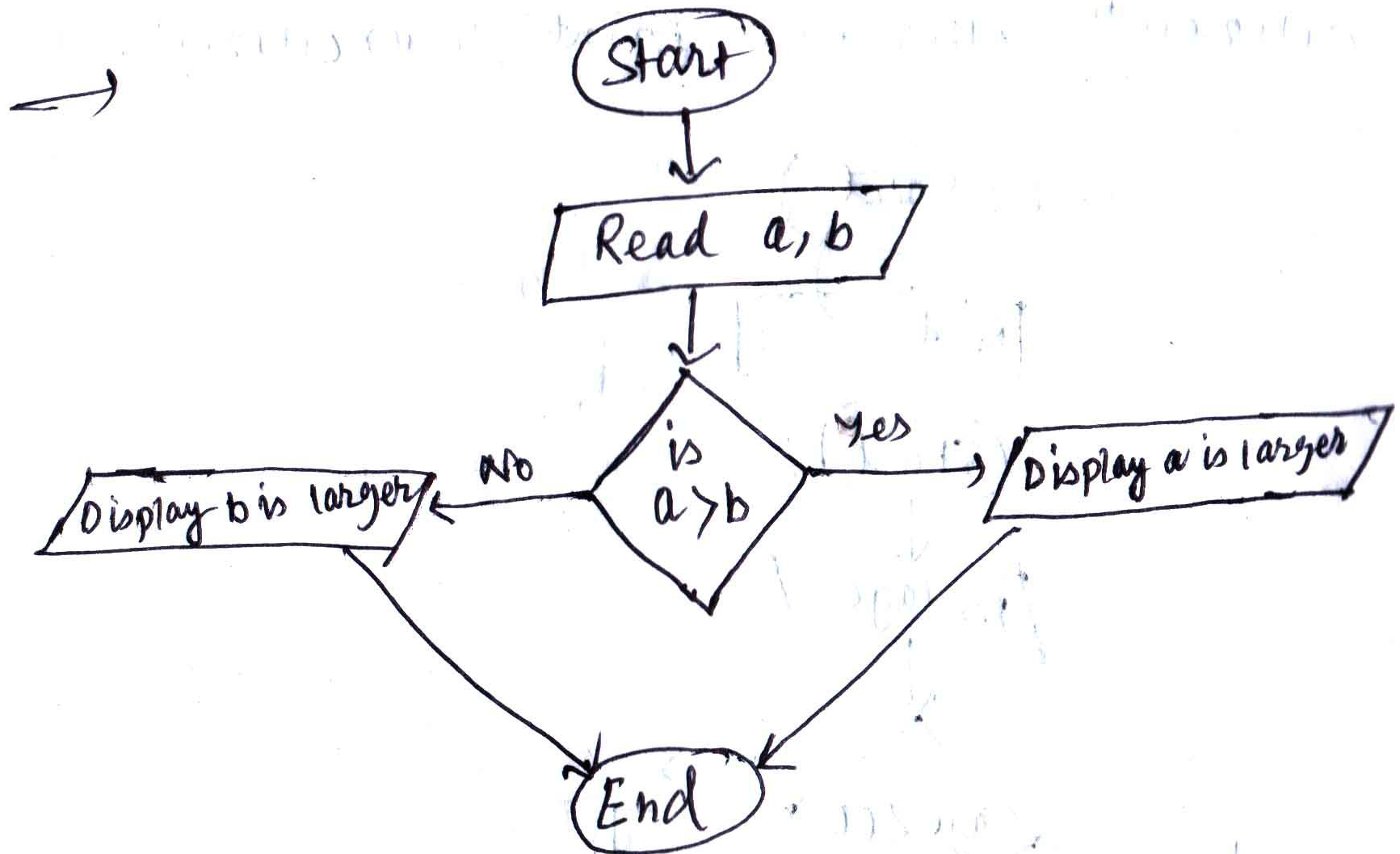
© Read three numbers and print smallest among 3 numbers.

Start

Read a, b, c

a < b

Yes → a < c

Yes → a is smaller

No → c is smaller

No → b > c

Yes → C is smaller

No → b is smaller

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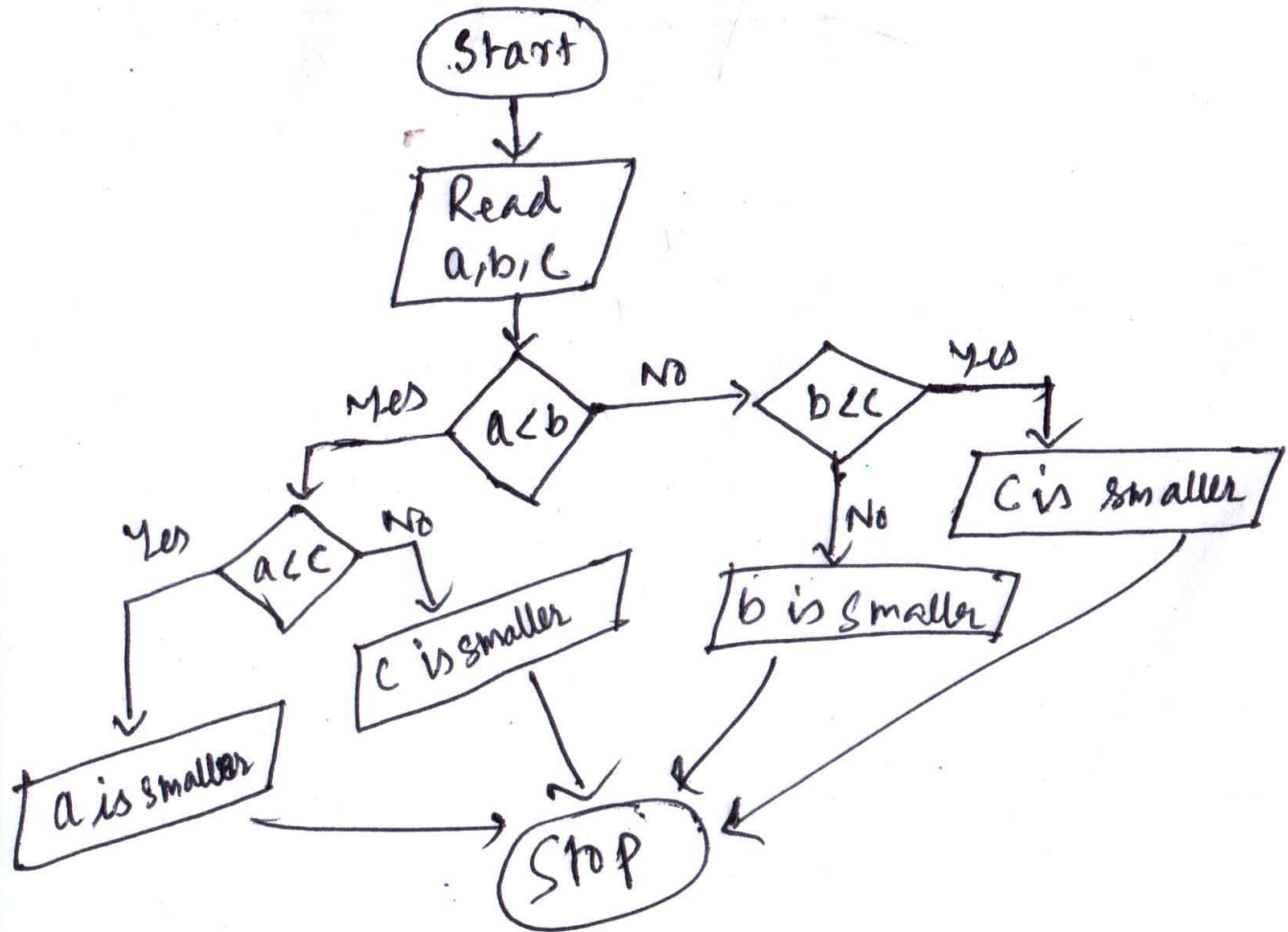
(d) Read a number in inches and convert it into meters.

→

```
        ( Start )
            |
            v
   / Input length  /
   /  in inches   /
            |
            v
  | meter = length inches / 39.37 |
            |
            v
   / Print meter /
            |
            v
        ( Stop )
```

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

```
        ( Start )
            |
            v
    ┌─────────────────┐
    │  Number = 2     │
    └─────────────────┘
            |
            v
          / is  \      yes
         / Number \ ──────────►  ( stop )
         \  > 10  /
          \      /
            |
            | No
            v
       ╱ Print   ╱
      ╱ number  ╱
            |
            v
    ┌──────────────────────────┐
    │ Number = Number + 2      │
    └──────────────────────────┘
```