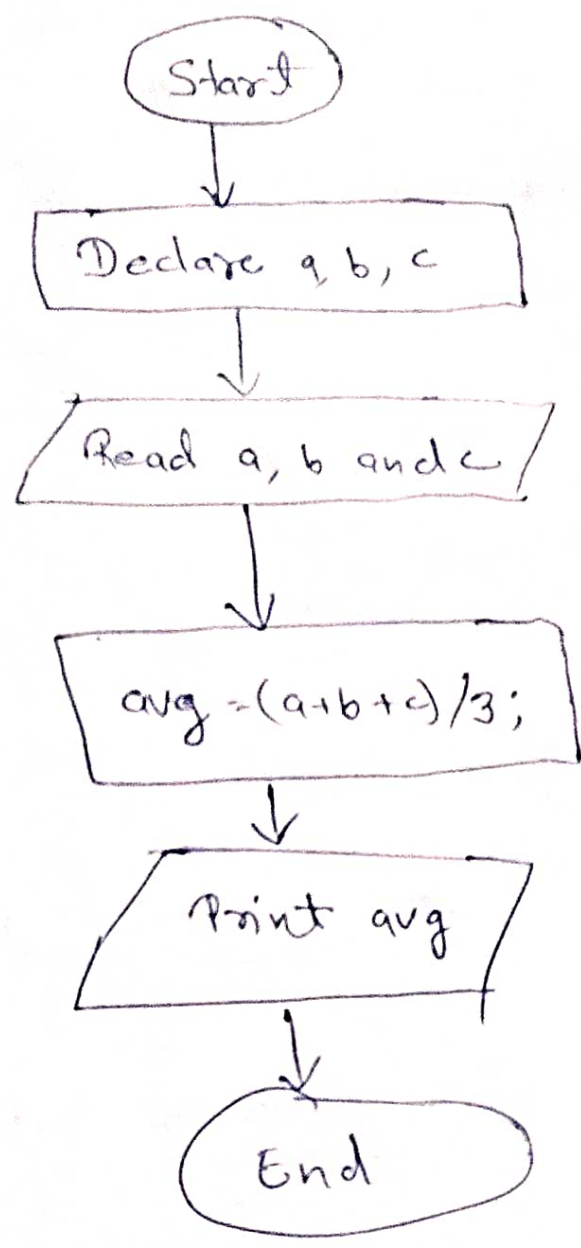①

q) Average of three numbers:-

① Step 1 : Start

• Step 2 : Input a, b, c

⑧ Step 3 : Sum = a+b+c

⊗ Step q : Avg = Sum/3

① Step 5 : Print Sum

① Step 6 : Print Avg

Step 7 : End

Start

Declare a, b, c

Read a, b and c

$avg = (a+b+c)/3;$

Print avg

End

①

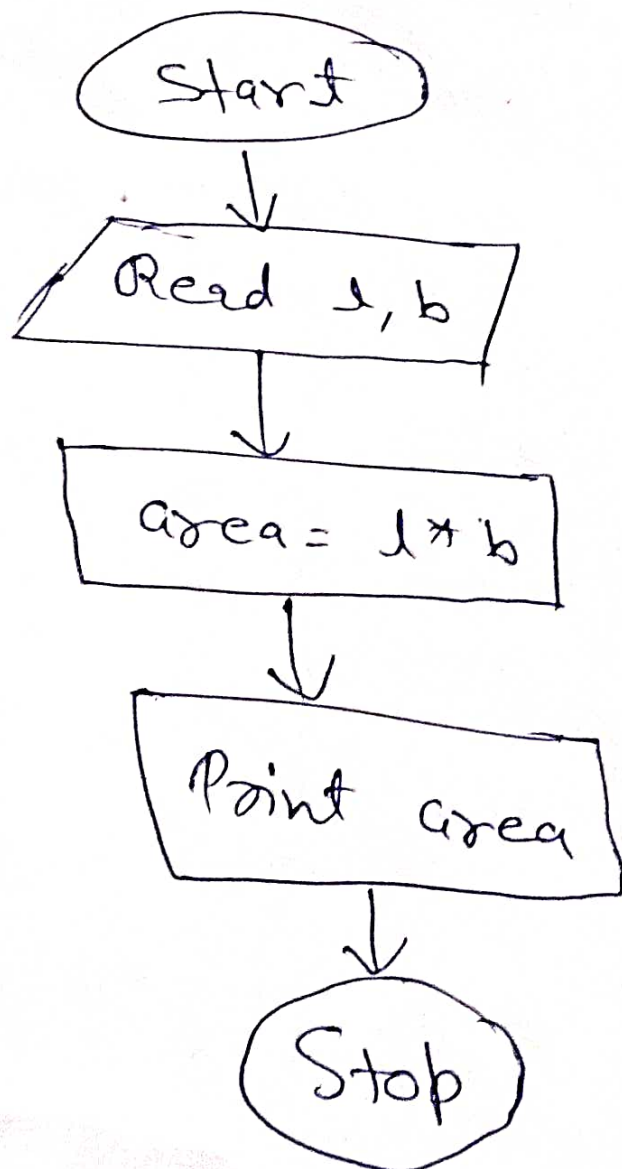b) <u>area of rectangle :-</u>

Ⓞ Step 1 :- Start

Ⓞ Step 2 : Read length l and breadth b

Ⓞ Step 3 : Compute the area as l * b

Ⓞ Step 4 : print area

Ⓞ Step 5 : Stop
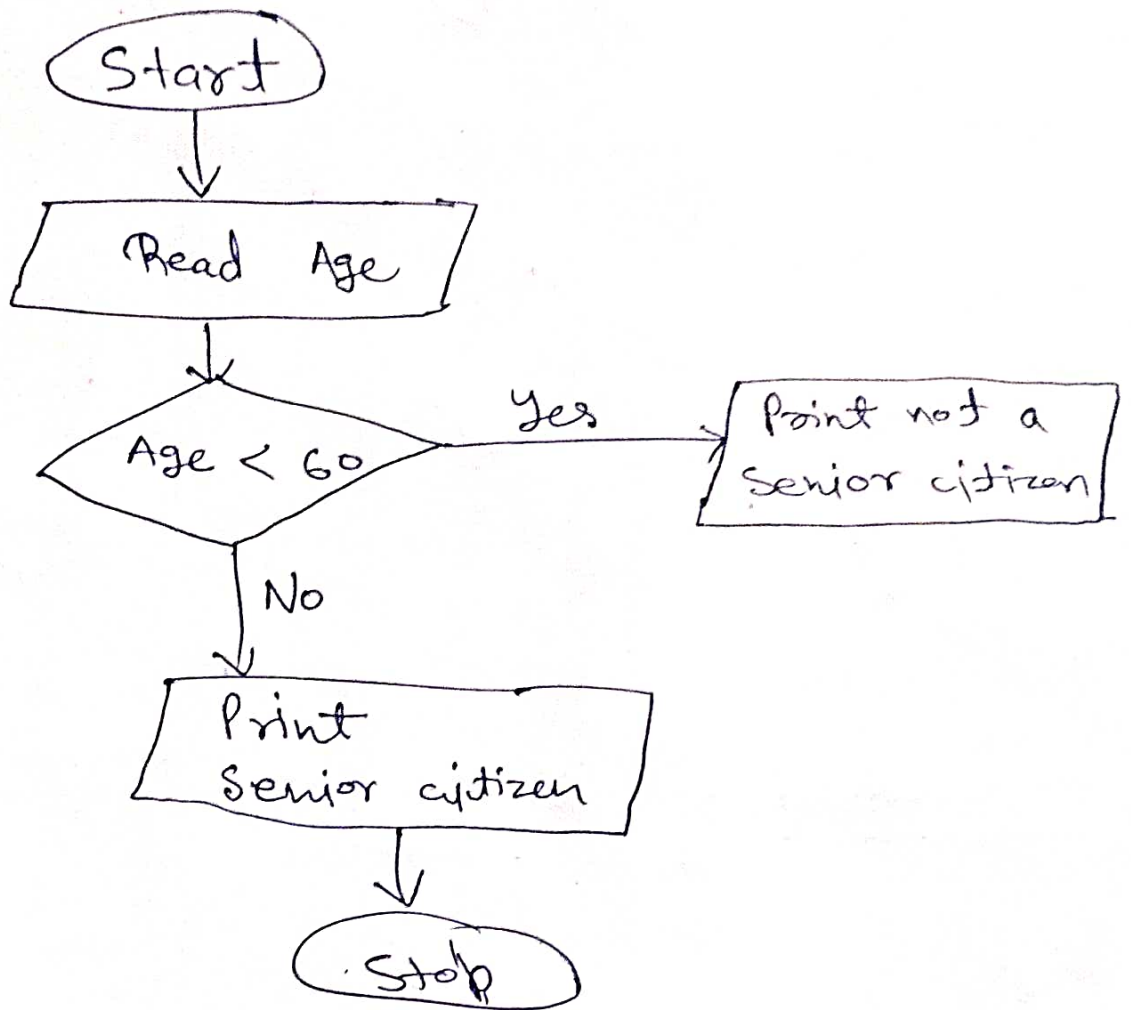
<u>Flow chart :-</u>
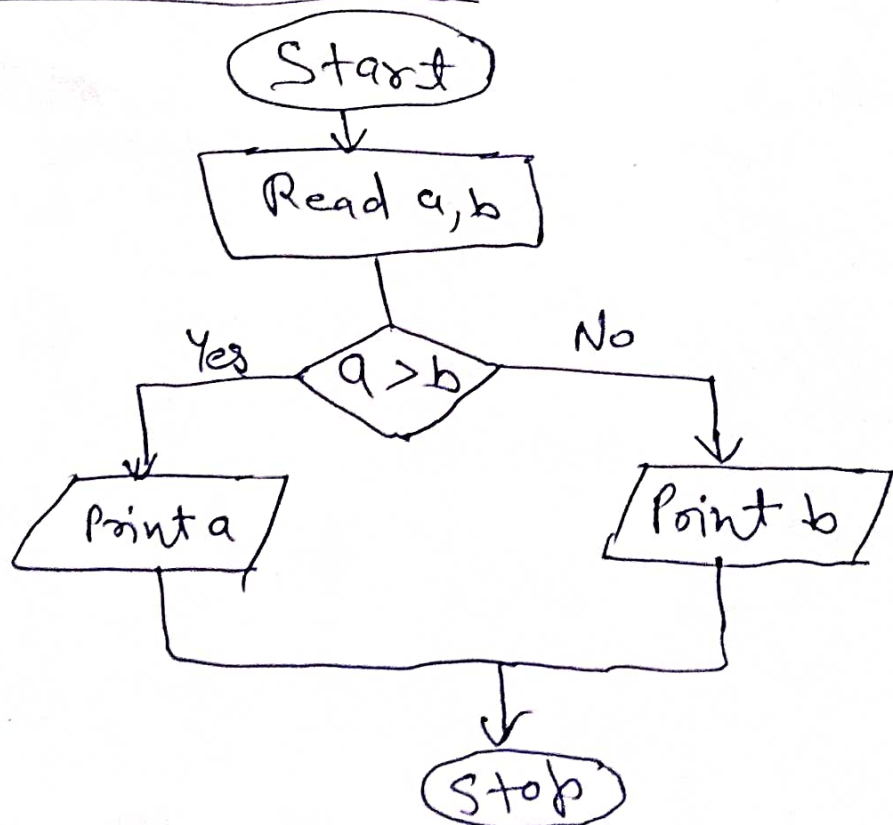
```
        ( Start )
            │
            ▼
      / Read l, b /
            │
            ▼
     [ area = l * b ]
            │
            ▼
     [ Print area ]
            │
            ▼
        ( Stop )
```

②

@ Read age of person :-

```
                    ╭─────────╮
                   (   Start   )
                    ╰────┬────╯
                         │
                         ▼
              ╱────────────────────╲
             ╱      Read  Age        ╲
             ╲──────────────────────╱
                         │
                         ▼
                  ╱─────────────╲          Yes      ┌──────────────────┐
                 ╱   Age < 60     ╲────────────────▶│  Print not a      │
                 ╲               ╱                  │  Senior citizen   │
                  ╲─────────────╱                   └──────────────────┘
                         │
                         │ No
                         ▼
              ┌──────────────────────┐
              │       Print          │
              │   Senior citizen     │
              └──────────────────────┘
                         │
                         ▼
                    ╭─────────╮
                   (   Stop    )
                    ╰─────────╯
```

b) Maximum of 2 numbers :-

```
                         ╭─────────╮
                        (   Start   )
                         ╰────┬────╯
                              │
                              ▼
                    ┌──────────────────┐
                    │    Read a,b       │
                    └─────────┬────────┘
                              │
                              ▼
         Yes          ╱───────────────╲          No
     ┌───────────────╱     a > b        ╲───────────────┐
     │               ╲                  ╱                │
     │                ╲───────────────╱                  │
     ▼                                                   ▼
╱──────────╲                                      ╱──────────╲
╱  Print a  ╱                                      ╱  Print b  ╱
╲──────────╱                                      ╲──────────╱
     │                                                   │
     └──────────────────────┬────────────────────────────┘
                            │
                            ▼
                       ╭─────────╮
                      (   Stop    )
                       ╰─────────╯
```

③ Smallest away 3:-

Start

Read a,b,c

if a < b   No

if a<c   No

if
b<c   No

Yes

a is smaller

c is smaller

b is smaller

c is small

Stop
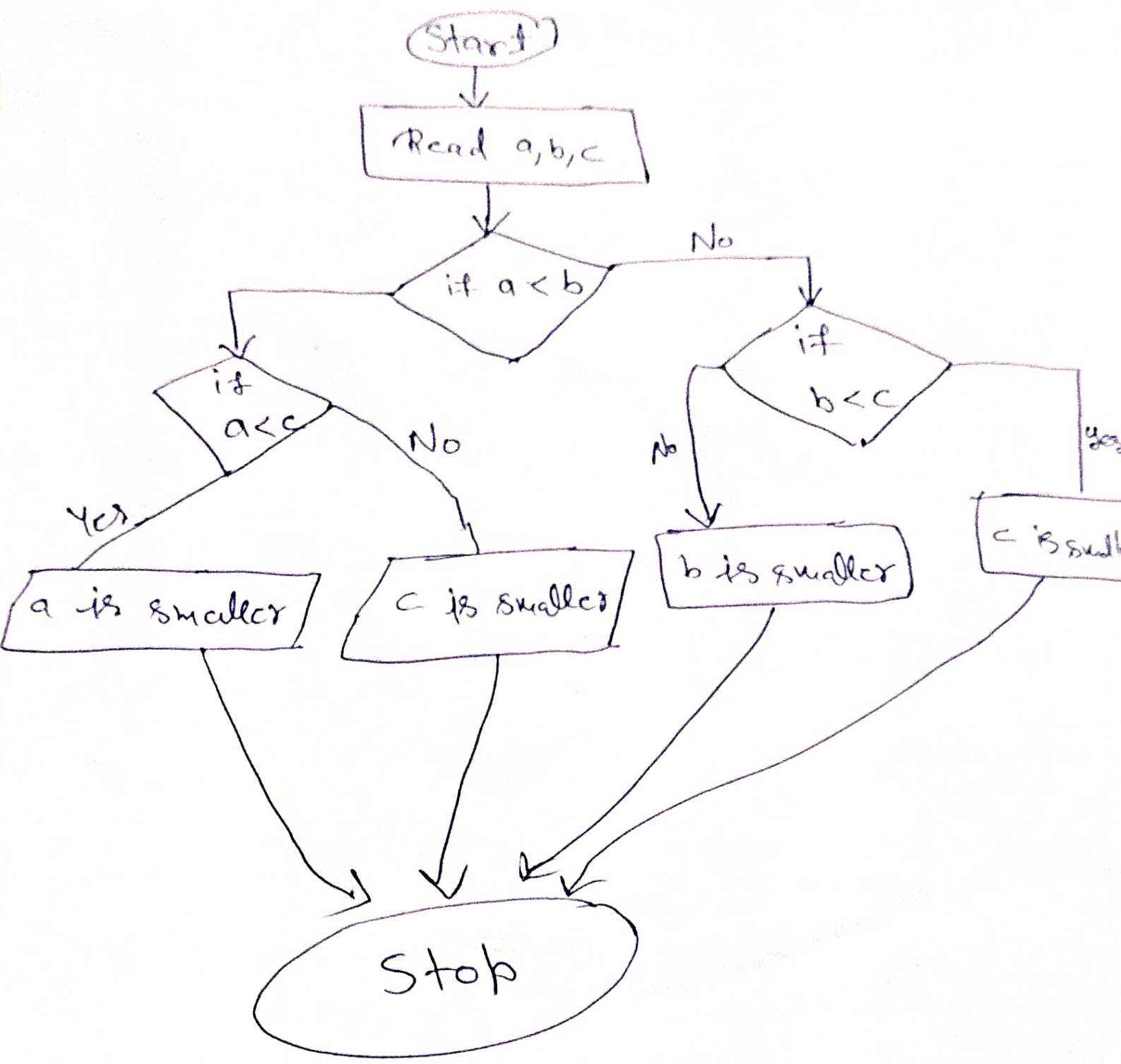
(5) Convert inches to centimeters :-

```
            ┌─────────┐
            │  Start  │
            └────┬────┘
                 ↓
    ┌────────────────────────┐
    │      I = C = 0         │
    └────────────┬───────────┘
                 ↓
    ┌────────────────────────┐
    │        Read I          │
    └────────────┬───────────┘
                 ↓
    ┌────────────────────────┐
    │     C = 2.54 * I       │
    └────────────┬───────────┘
                 ↓
    ╱────────────────────────╱
    │       Print C          │
    ╱────────────────────────╱
                 ↓
            ┌─────────┐
            │  Stop   │
            └─────────┘
```