Assignment:1
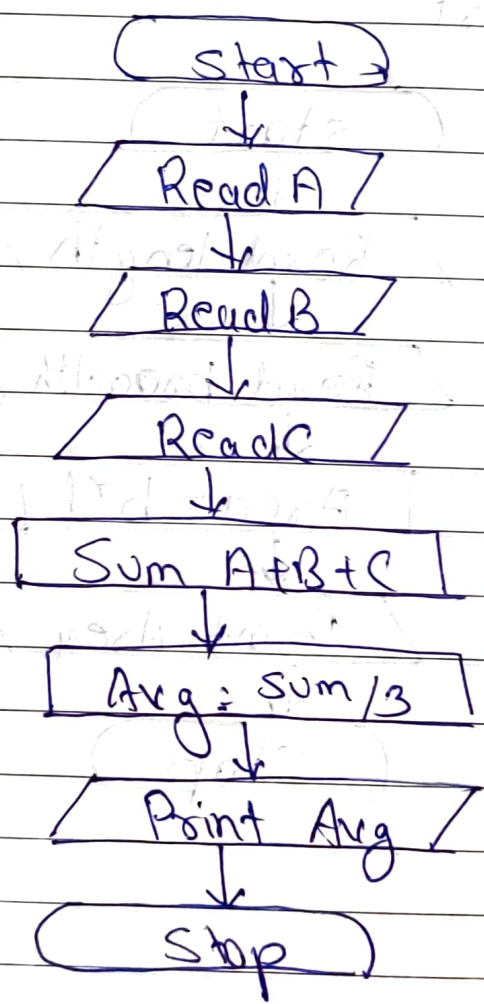## Average of 3 Numbers
Algorithm:

    ① : Start
    ② : Read A
    ③ : Read B
    ④ : Read C
    ⑤ : Sum A+B+C
    ⑥ : Average $\leftarrow$ sum/3
    ⑦ : Print Average
    ⑧ : End.

Flowchart:

```
        ( Start )
            |
         / Read A /
            |
         / Read B /
            |
         / Read C /
            |
       | Sum A+B+C |
            |
      | Avg = Sum/3 |
            |
       / Print Avg /
            |
         ( Stop )
```

② Area of Rectangle whose length are given

Algorithm:
    ① : Start
    ② : Read length
    ③ : Read breadth
    ④ : Area ← bl
    ⑤ : Print area
    ⑥ : End.

Flowchart :

```
        (  Start  )
             ↓
      / Read length /
             ↓
      / Read breadth /
             ↓
      [ Area = b*l ]
             ↓
      / Print Area /
             ↓
        (  Stop  )
```
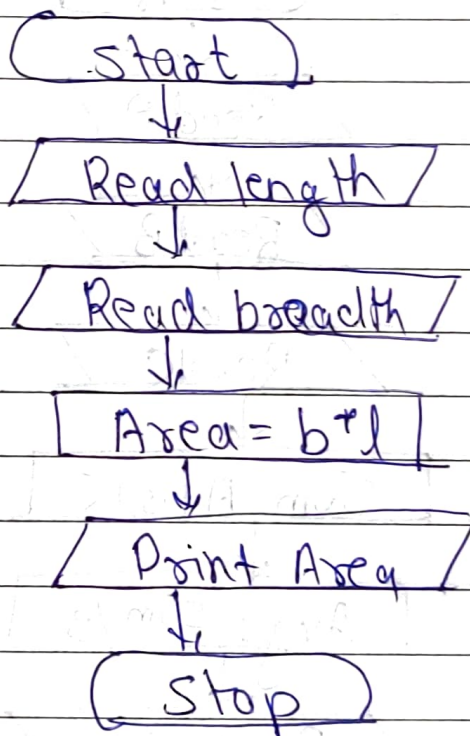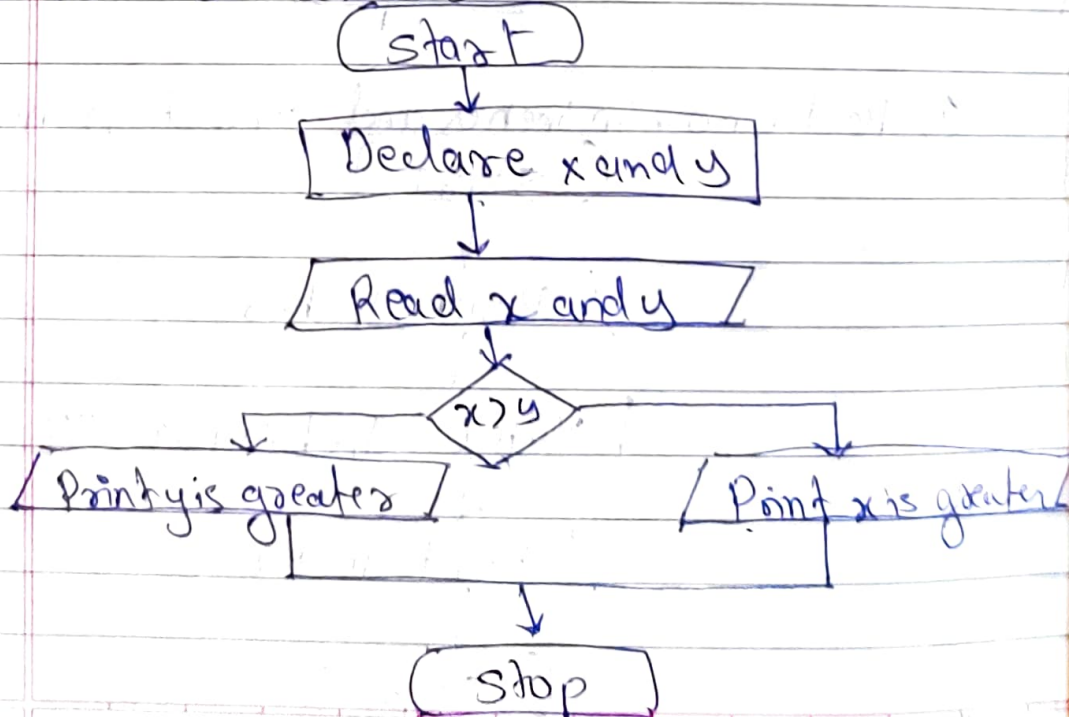
Draw the flow charts.

① Read age of person. If age less than 60 then print "Not a senior citizen", otherwise print "senior citizen".

```
        ( Start )
            ↓
      / Read Age /
            ↓
      < If age < 60 > ─────────────┐
            ↓                       ↓
      / Print Senior /      / Print Not
          citizen          Senior citizen /
            ↓ ←──────────────────────┘
        ( Stop )
```

② Max of 2 Number

```
        ( Start )
            ↓
    | Declare x and y |
            ↓
    / Read x and y /
            ↓
          < x > y >
         ↓          ↓
  / Print y is greater /   / Print x is greater /
            ↓                    ↓
            └────────┬───────────┘
                     ↓
                 ( Stop )
```
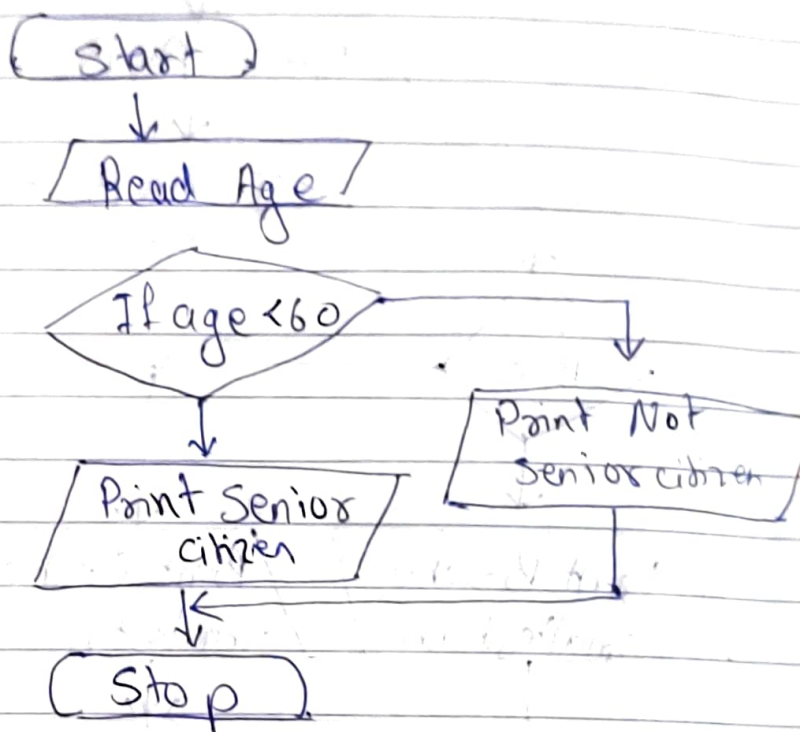
③ Read three numbers and print the smallest among three.

```
                    ( Start )
                        │
                        ▼
                 / Read A, B, C /
                        │
                        ▼
                   < If A < B >
              No │            │ Yes
         ┌───────┘            └───────┐
         ▼                            ▼
      < If                        < If
        B<C >                       A<C >
      │      └──────────┬──────────┘      │
      ▼                 │                 ▼
 / Print B is the /  / Print C is the / / Print A is /
 / smallest no.   /  / smallest No.   / / the smallest no /
      └──────────────┬┴────────────────┘
                     │
                     ▼
                  ( Stop )
```
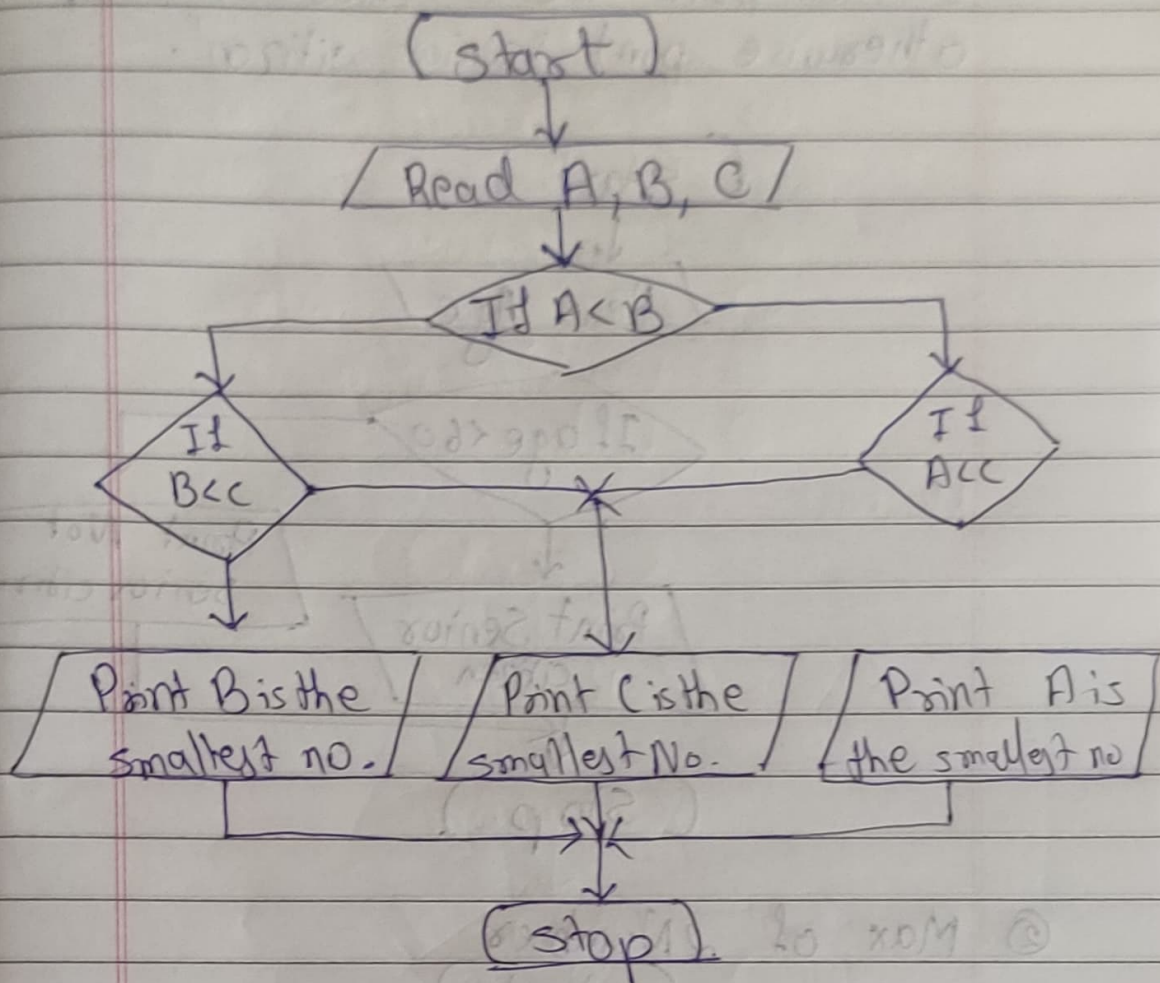
④ Read a no. in inches and convert in meter.

```
            ( Start )
                │
                ▼
         / Read Inches /
                │
                ▼
     [ Meter = Inches / 39.37 ]
                │
                ▼
        / Print meter /
                │
                ▼
            ( Stop )
```