1. Find the average of three number a, b & C.

Algorithm :

Step 1   -   Start

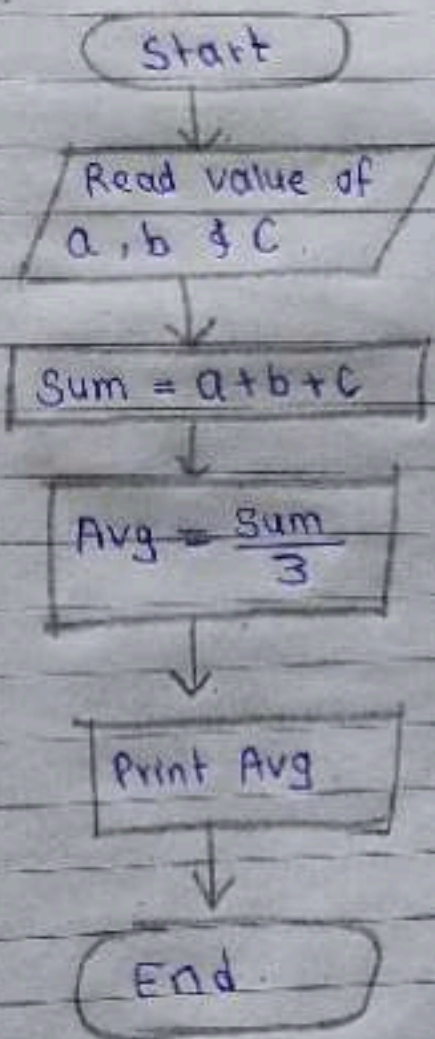Step 2   -   Read a, b & C values

Step 3   -   Sum = a + b + C

Step 4   -   Avg = Sum/3

Step 5   -   print Avg

Step 6   -   End

Flowchart

Start

Read value of a, b & C

Sum = a + b + C

$$Avg = \frac{Sum}{3}$$

Print Avg

End

2. Find the area of rectangle whose length and breadth are given

Algorithm -

Step 1 - Start
Step 2 - Read length and breadth
Step 3 - Area = L × B
Step 4 - print area.
Step 5 - End.

Flowchart -

```
        ┌──────────┐
        │  Start   │
        └──────────┘
              ↓
       ╱─────────────╱
      ╱ Read value  ╱
     ╱  of A & B   ╱
    ╱─────────────╱
           ↓
      ┌──────────────┐
      │ Area = A × B │
      └──────────────┘
           ↓
      ╱─────────────╱
     ╱ print area  ╱
    ╱─────────────╱
           ↓
       ┌──────────┐
       │   End    │
       └──────────┘
```
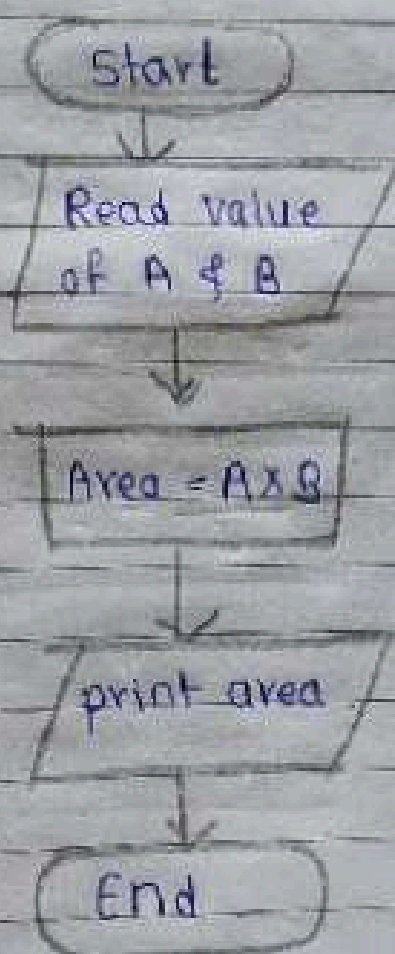
3. Read age of a person, If age is less than 60, then print "not a Senior Citizen', otherwise print Senior Citizen.

```
        ( start )
            |
            v
       +-----------+
       | Read the  |
       |   age     |
       +-----------+
            |
            v
False  < age < 60 >  True
   |                    |
   v                    v
/ Print        /    / Not a senior /
/ Senior citizen/   /   citizen   /
   |                    |
   +------( END )-------+
```
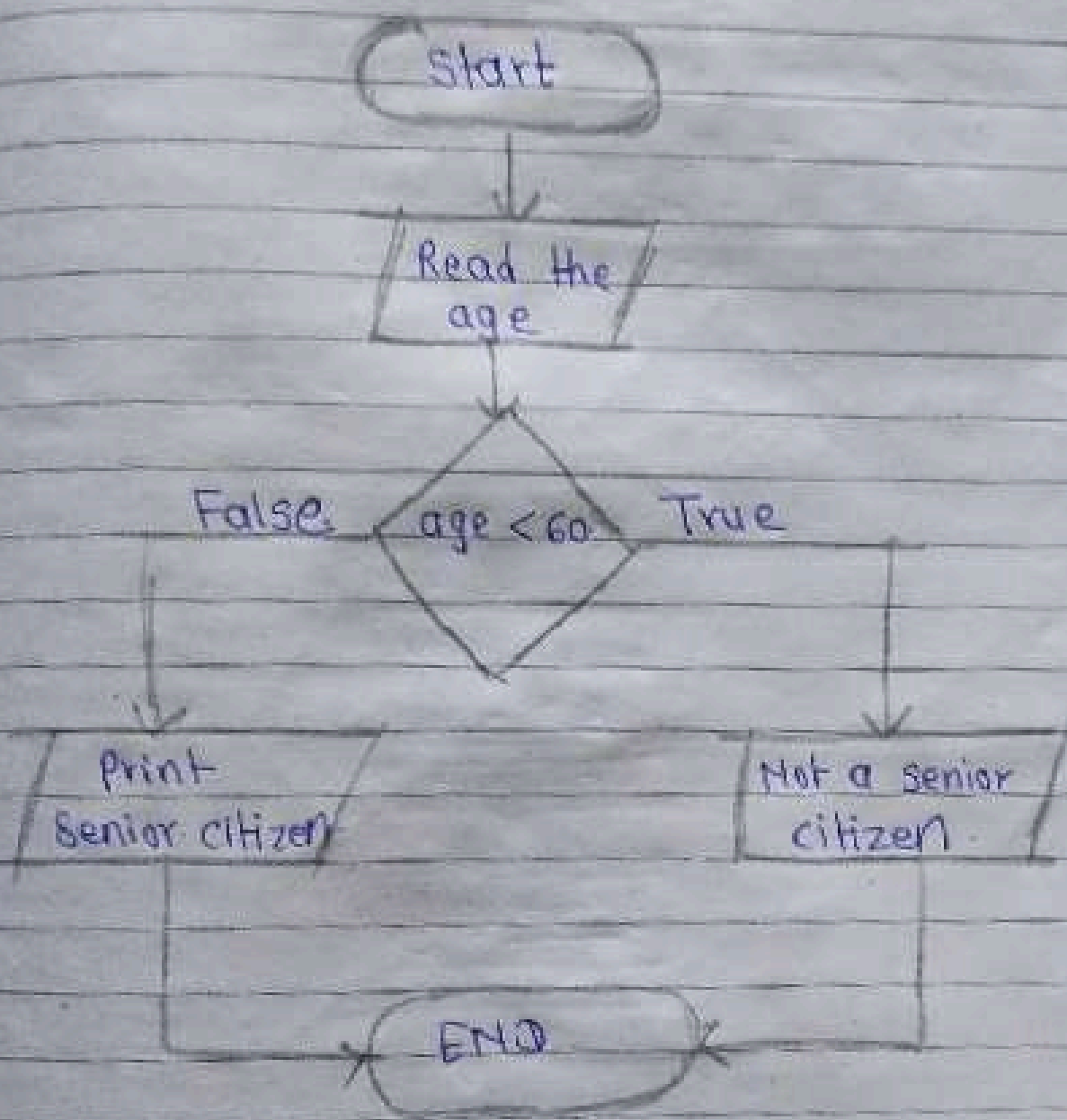
4. Read two Number and print maximum of the 2 number.

Flowchart.
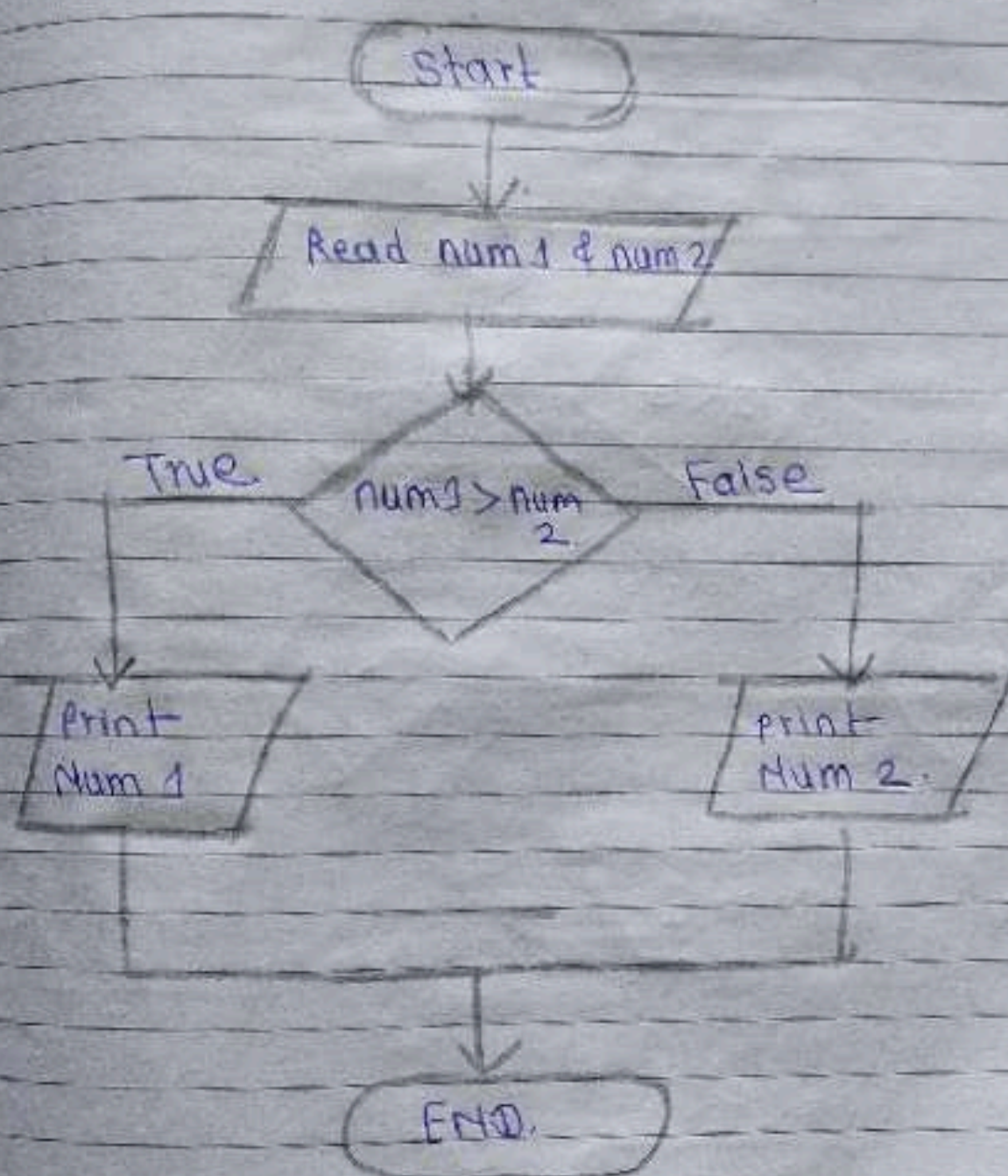
```
                    ┌──────────┐
                    │  Start   │
                    └──────────┘
                         │
                         ▼
              ╱─────────────────────╲
              │ Read num 1 & num 2  │
              ╲─────────────────────╱
                         │
                         ▼
                      ╱──────╲
        True      ╱  num1 > num  ╲    False
    ┌────────────│       2        │────────────┐
    │             ╲──────────────╱             │
    ▼                                          ▼
╱─────────╲                              ╱─────────╲
│ print   │                              │ print   │
│ Num 1   │                              │ Num 2.  │
╲─────────╱                              ╲─────────╱
    │                                          │
    └─────────────────┬────────────────────────┘
                      ▼
                 ┌──────────┐
                 │   END    │
                 └──────────┘
```

Read a number in inches and Convert into meter.

Start

Read No in inch.

$meter = inch \times 0.0254$

Print the value of meter

END

Read a number in inches and Convert into meter.

```
        ┌──────────┐
        │  Start   │
        └──────────┘
              │
              ▼
        ╱─────────────╲
        ╱ Read No in  ╱
        ╲ inch.       ╲
        ╲─────────────╱
              │
              ▼
    ┌─────────────────────────┐
    │ meter = inch × 0.0254   │
    └─────────────────────────┘
              │
              ▼
        ╱──────────────╲
        ╱ Print the value╱
        ╲ of meter       ╲
        ╲────────────────╱
              │
              ▼
        ┌──────────┐
        │   END    │
        └──────────┘
```
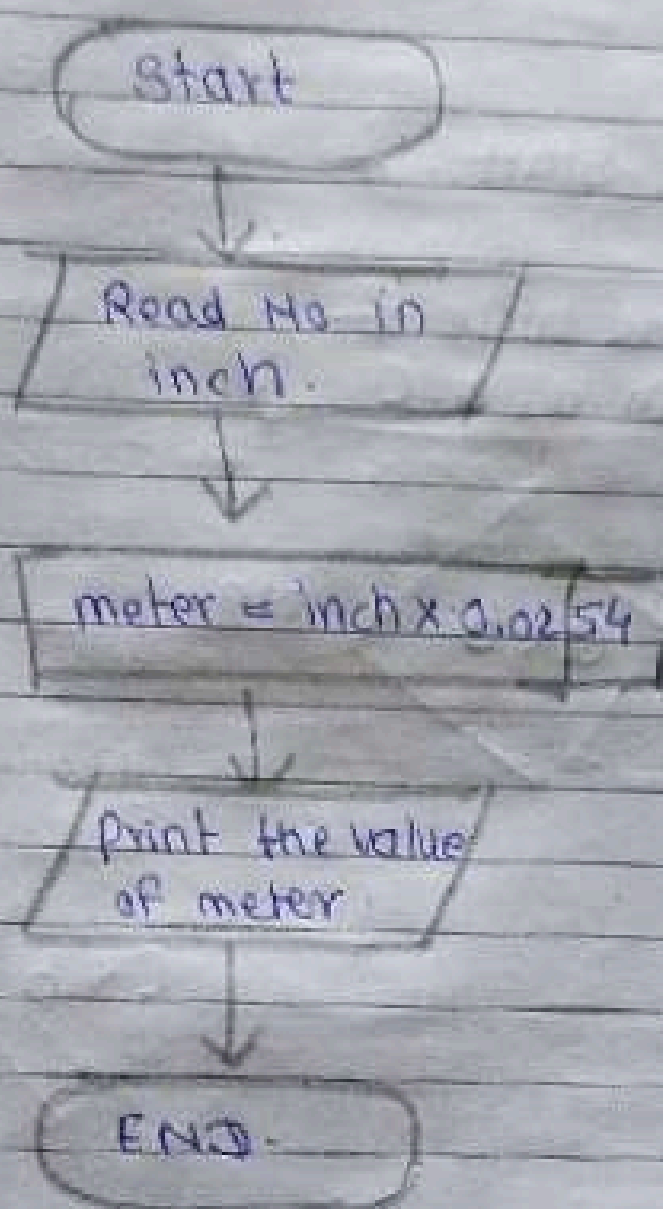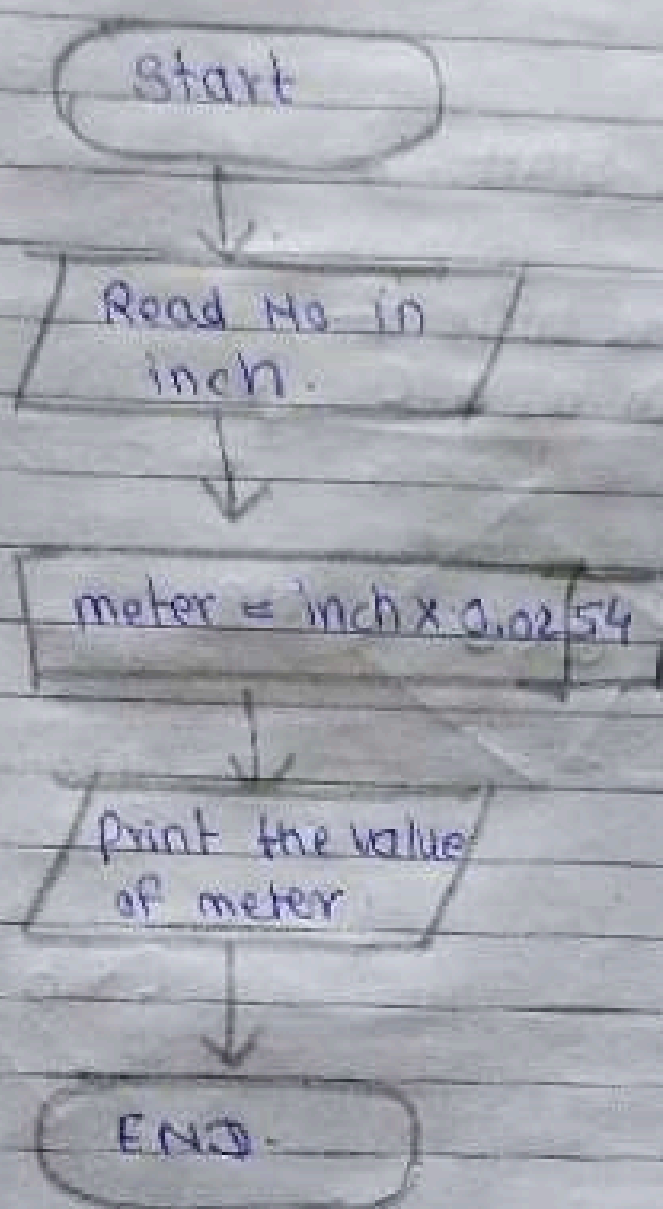
Read three numbers and print
Smallest among 3 numbers

Flowchart

Start

Read value of
num a, b, c

yes ← a < b → No

a < c

c < b

print a

print c

print
b.

END
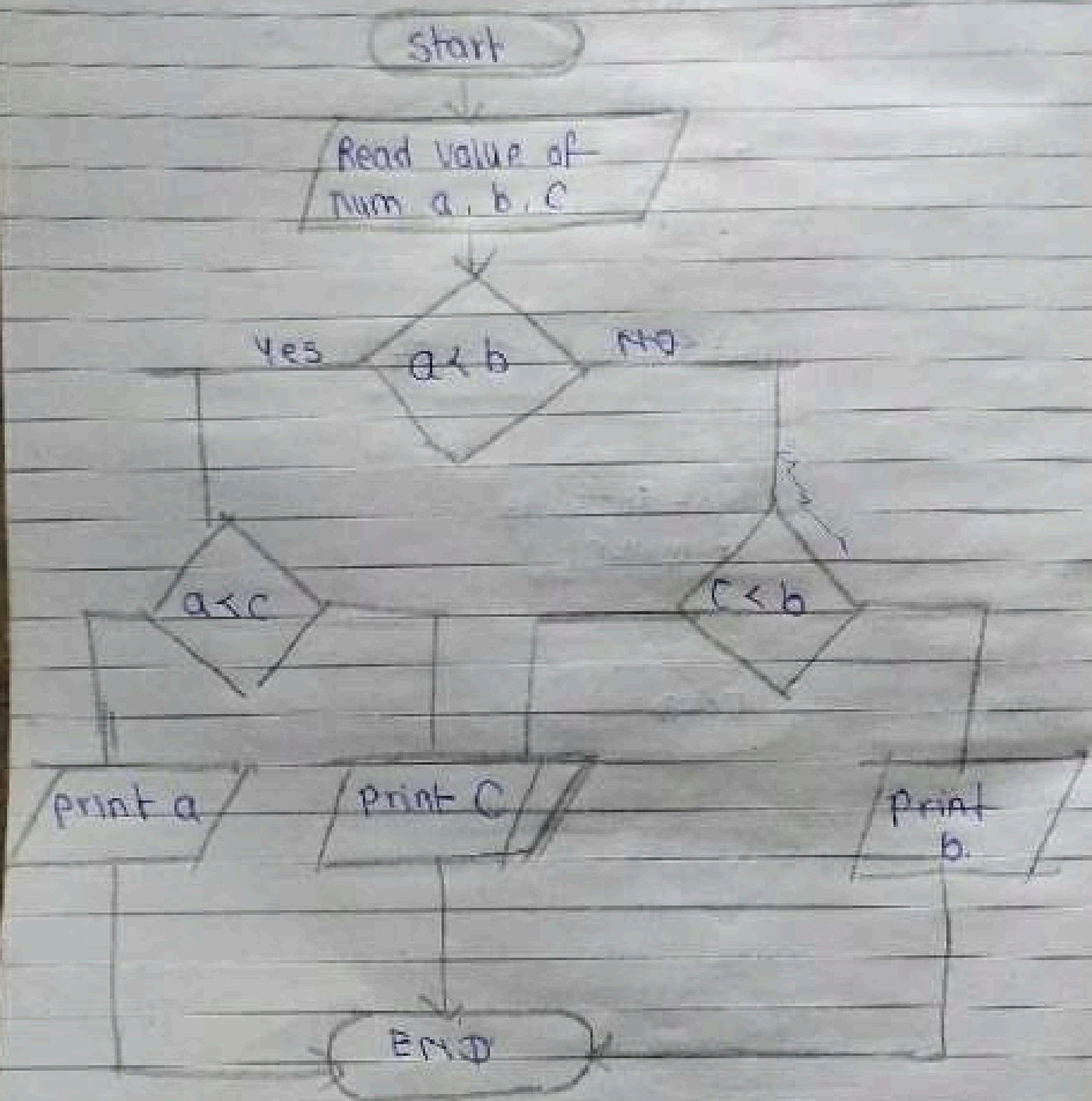
Print 2, 4, 6, 8, 10.

Algorithm.

Step 1 - Start
Step 2 - N = 2
Step 3 - If (N <= 8) No goto 7 Step
Step 4 - print N.
Step 5 - N = N + 2
Step 6 - go to step 3.
Step 7 - End

Flowchart.

```
        ┌──────────┐
        │  Start   │
        └──────────┘
             │
             ▼
        ┌──────────┐
        │  N = 2   │
        └──────────┘
             │
             ▼
          ◇ N <= 10 ◇────── No ───┐
             │                    │
            yes                   │
             │                    │
             ▼                    │
        ┌──────────┐              │
        │ Print N. │              │
        └──────────┘              │
             │                    │
             ▼                    │
        ┌──────────┐              │
        │ N = N+2  │              │
        └──────────┘              │
                                  │
        ┌──────────┐              │
        │   END    │ ◄────────────┘
        └──────────┘
```