# Class Agenda

Flow Charts
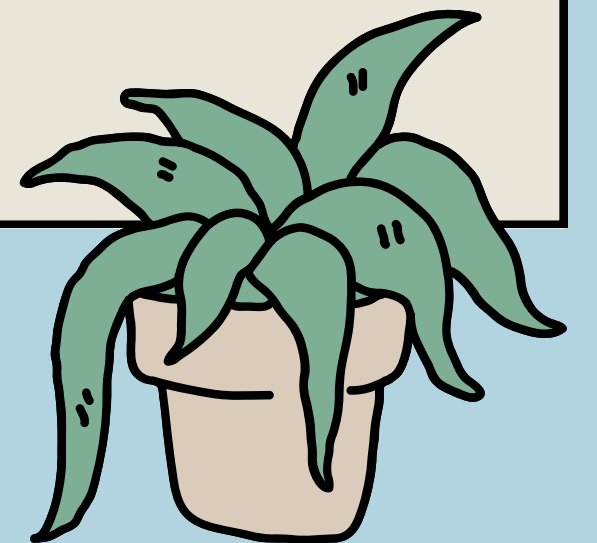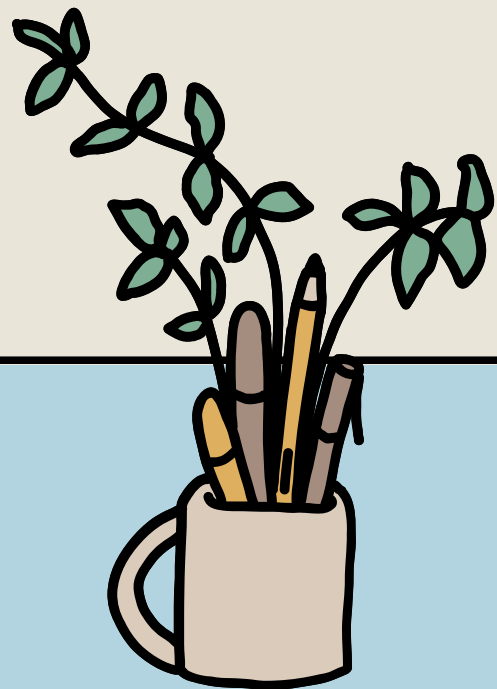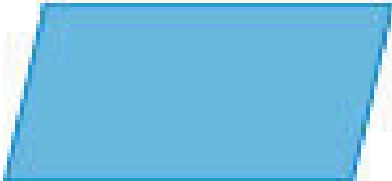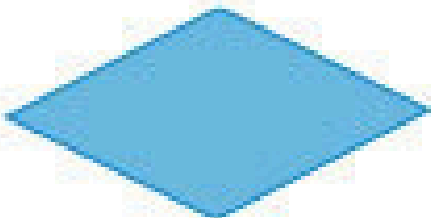
Flow chart
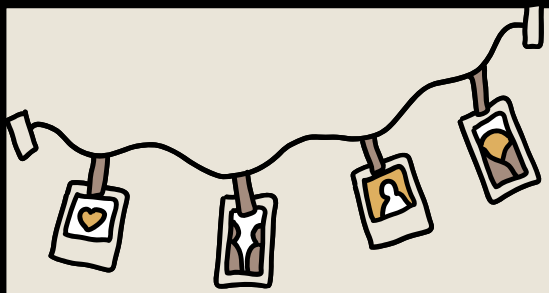
- Diagram to break real life problems into sub-problems representing an algorithm, workflow or process

Components of Flowchart

Symbol	Name	Function
	Start/end	An oval represents a start or end point
	Arrows	A line is a connector that shows relationships between the representative shapes
	Input/Output	A parallelogram represents input or output
	Process	A rectagle represents a process
	Decision	A diamond indicates a decision

PRINT SUM OF 2 NUMBERS

```
        ( Start )
            |
            v
        / Input /
        / A, B /
            |
            v
    [ Sum = A + B ]
            |
            v
        / Print /
        / Sum  /
            |
            v
        ( End )
```
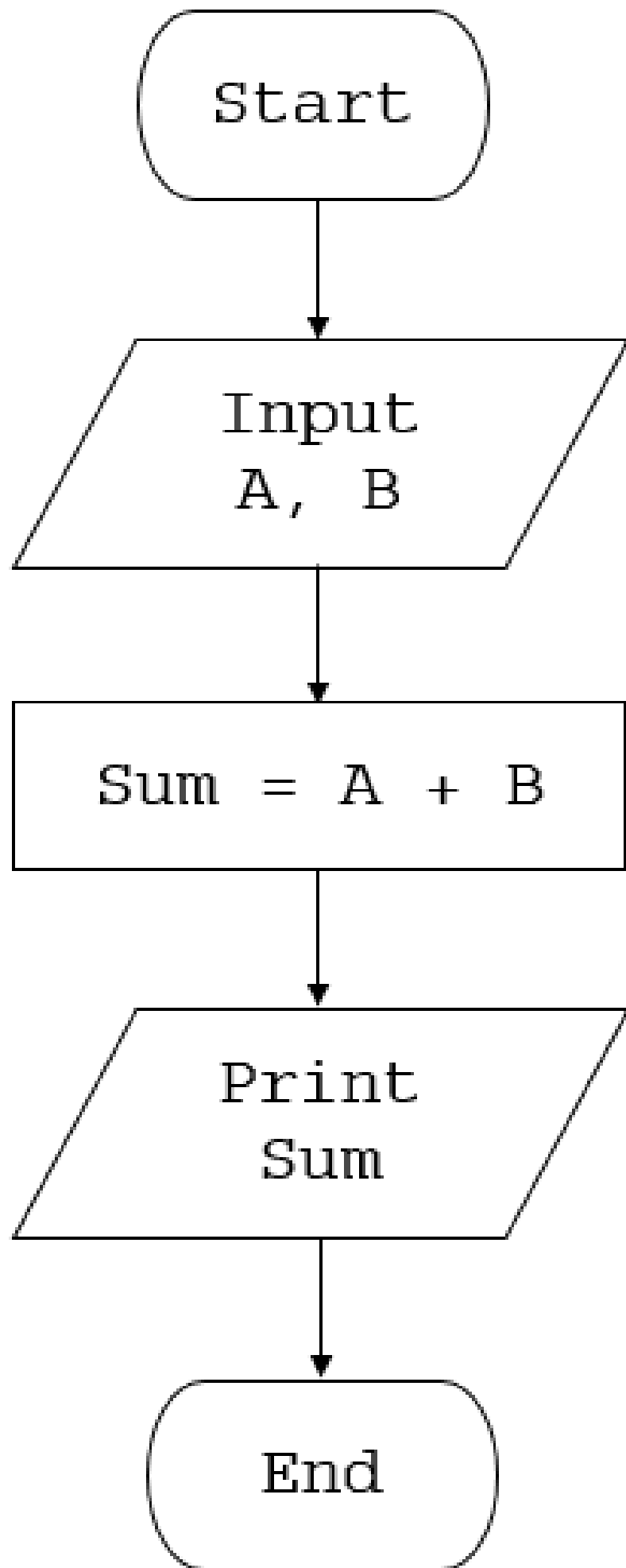
Check number is even or odd
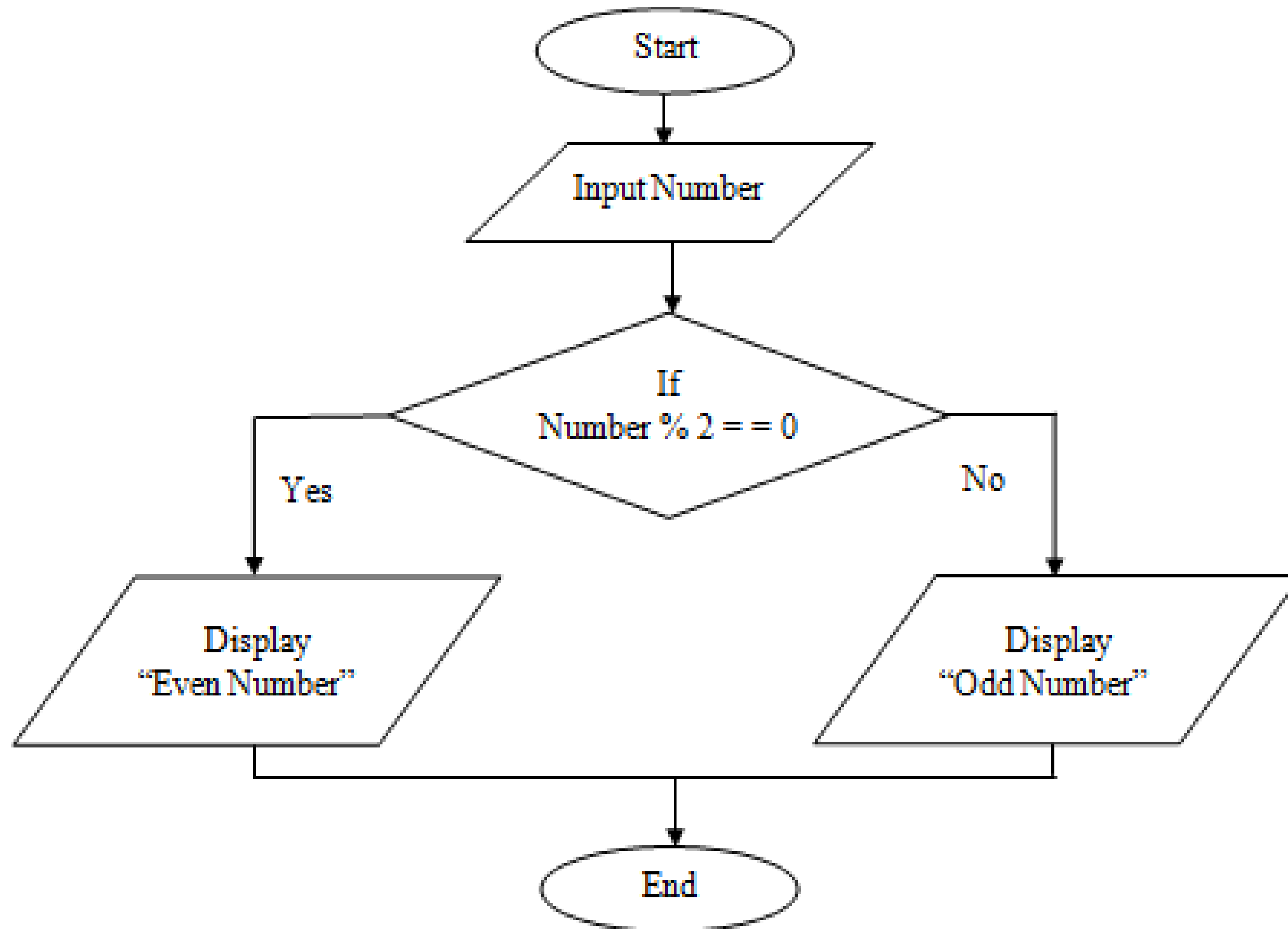
Convert Temperature from Celsius to Fahrenheit

START

INPUT F

C = (F - 32) * (5 / 9)

PRINT C

STOP
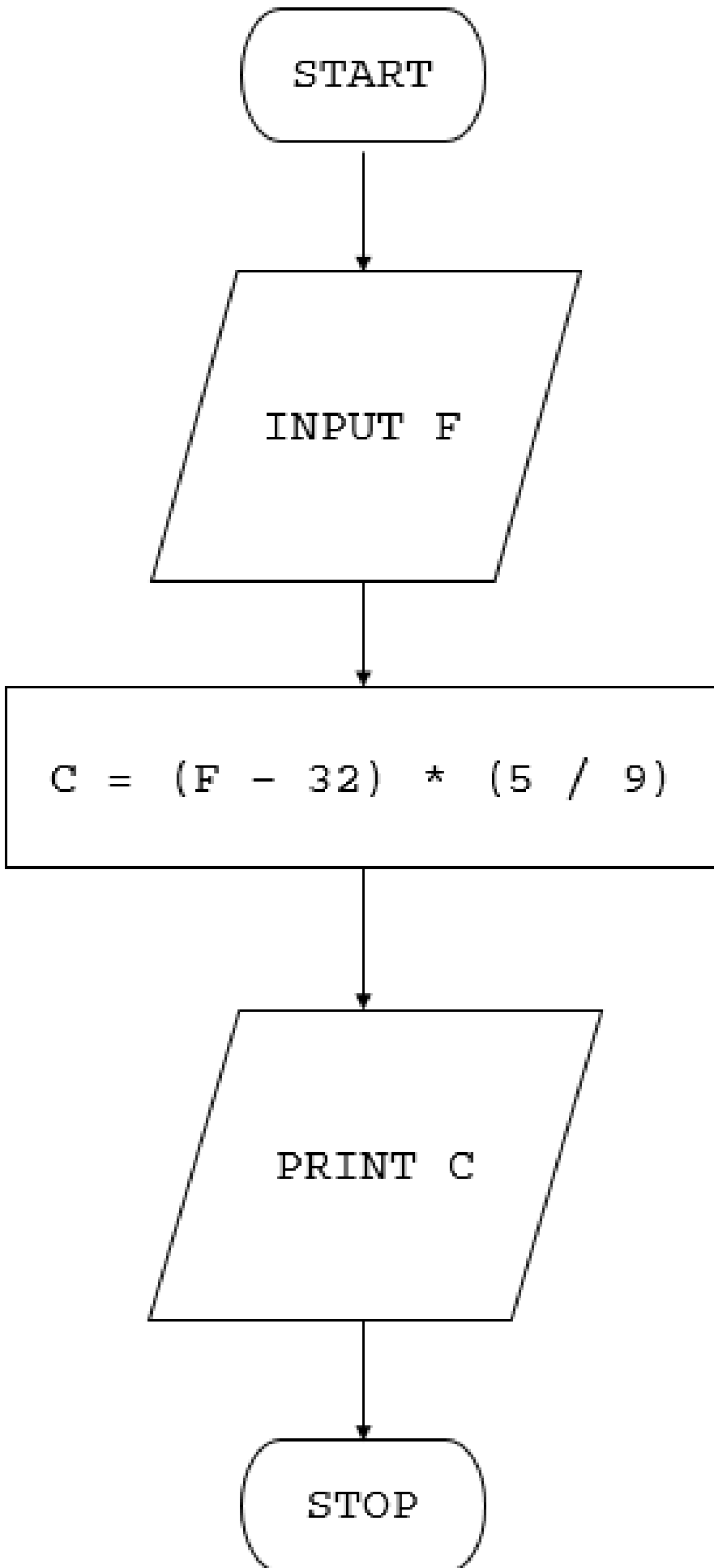
Find sum of first N natural numbers.
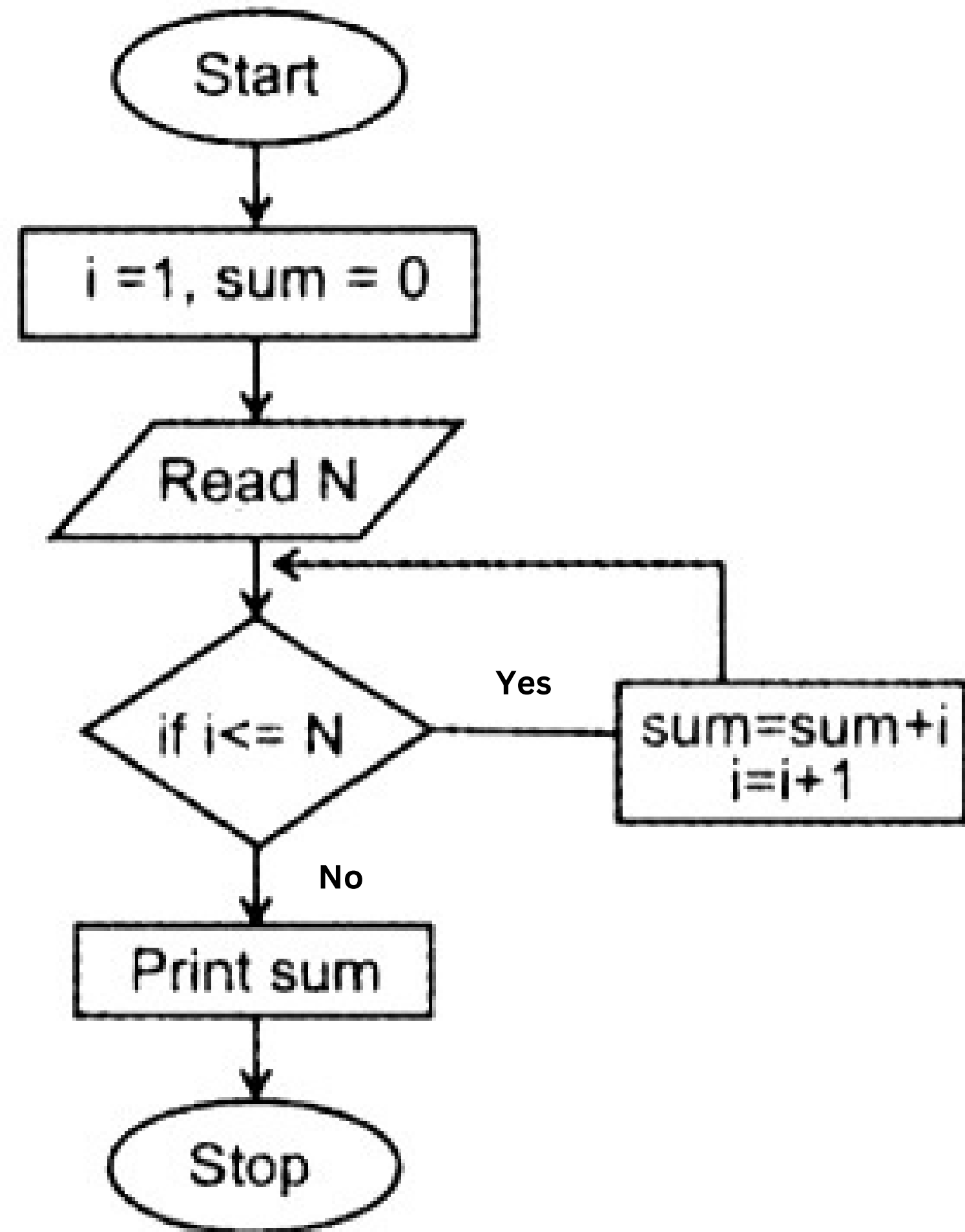
Flowchart to find the greatest from 2 numbers.

Flowchart to find the greatest from 2 numbers.

Start

Enter two numbers: A, B

Is A > B ?

Y → Display "First number is greater"

N → Display "Second number is greater"

Stop
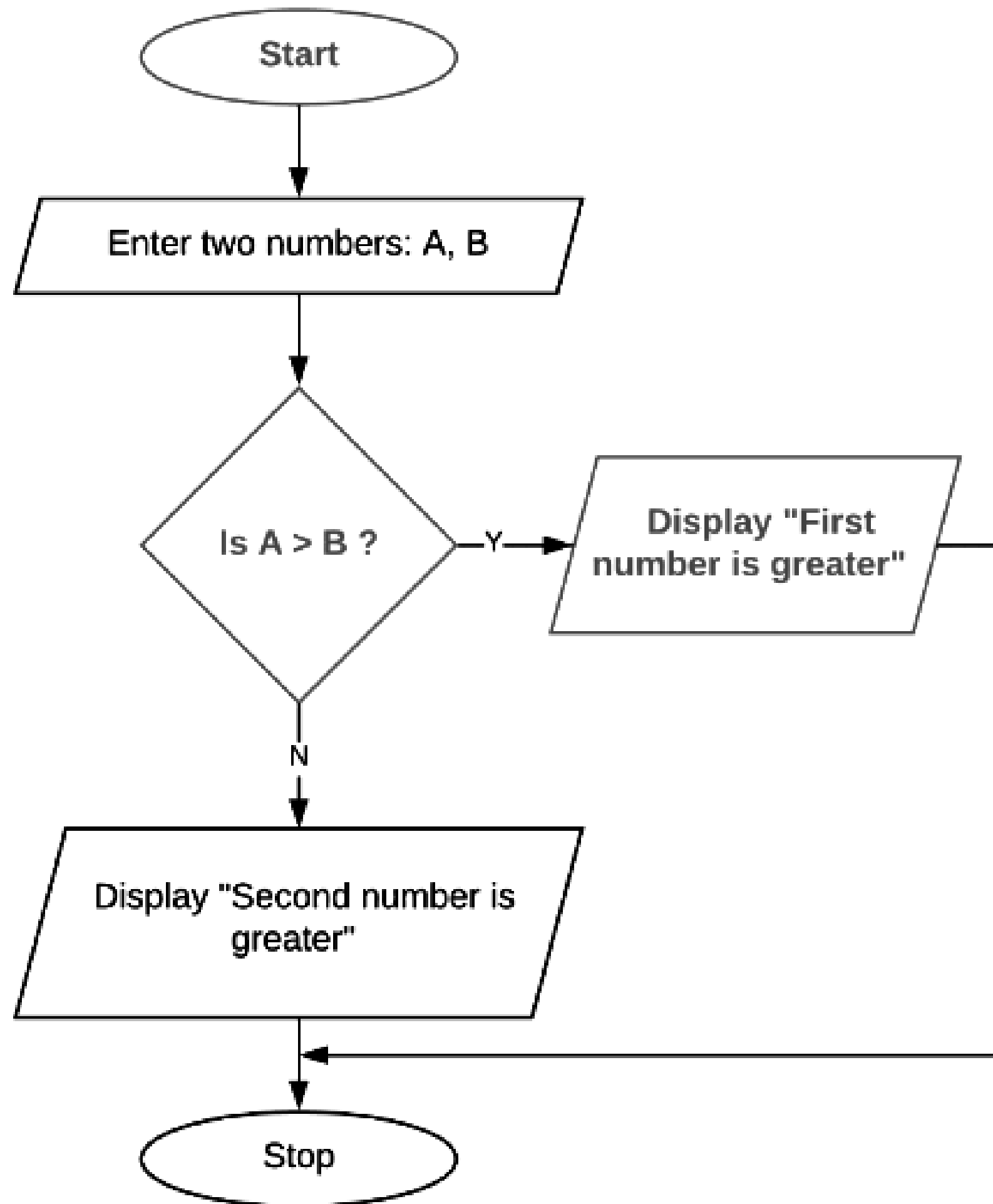
Flowchart to calculate the area of a rectangle.

Flowchart to calculate the area of a rectangle.

```
            ( Start )
                |
                v
    / Read length and breadth /
                |
                v
    [ area = length * breadth ]
                |
                v
        [ Print area ]
                |
                v
            ( End )
```
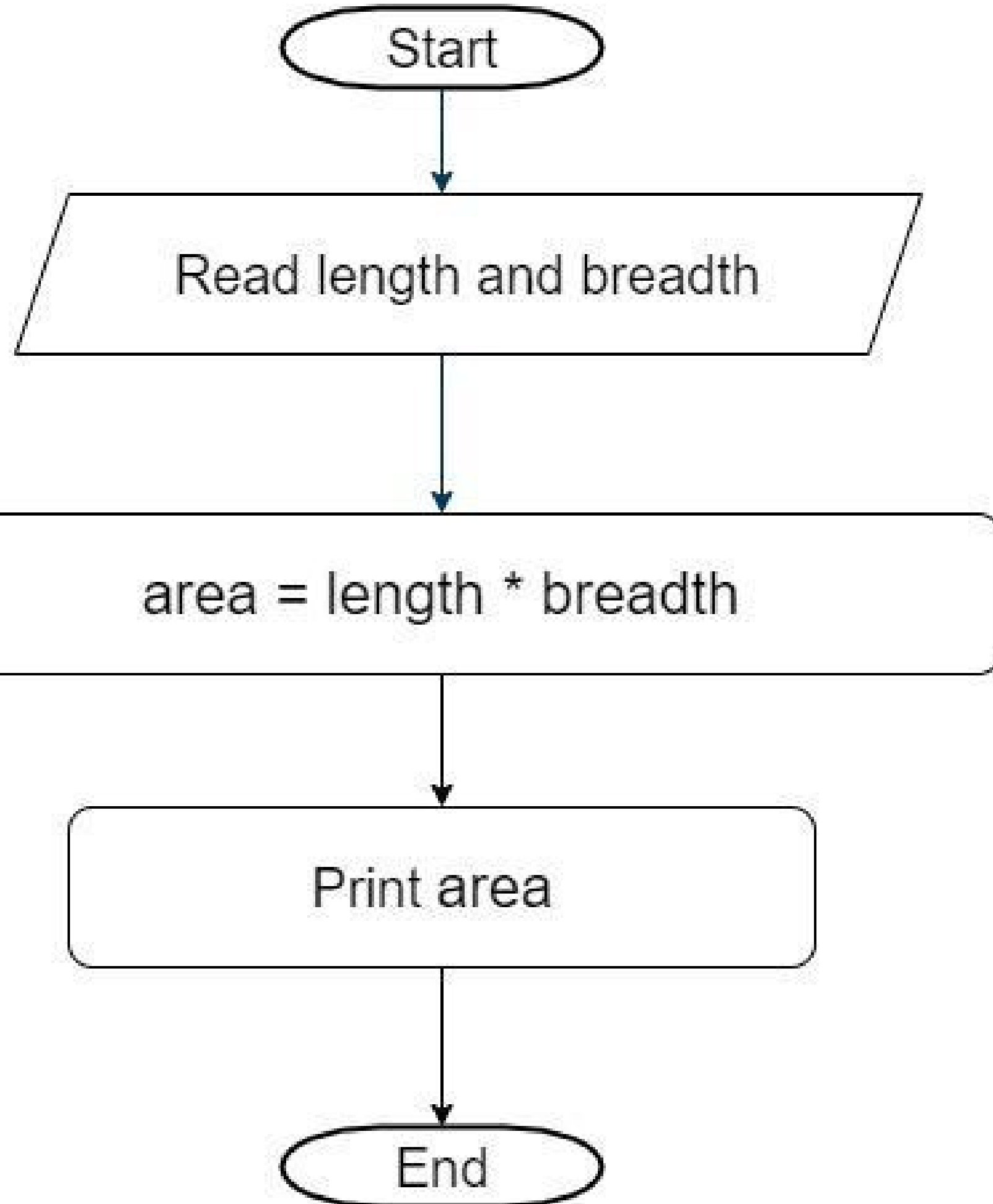
Flowchart to print the Even numbers between 5 and 15.

Flowchart to print the Even numbers between 5 and 15.

```
        ┌──────────────┐
        │    Start     │
        └──────┬───────┘
               │
        ┌──────▼───────┐
        │    i = 6     │
        └──────┬───────┘
               │
         ╱────▼─────╲
        ╱   Write i   ╲
        ╲            ╱
         ╲──────────╱
               │
        ┌──────▼───────┐
        │   i = i+2    │◄──────────┐
        └──────┬───────┘           │
               │                   │
           ╱───▼───╲      Yes      │
          ╱  i<15   ╲──────────────┘
          ╲        ╱
           ╲──┬───╱
              │ No
        ┌─────▼──────┐
        │    End     │
        └────────────┘
```