PSEUDOCODE & FLOWCHART EXAMPLES

10 EXAMPLES

www.csharp-console-examples.com

Pseudocode

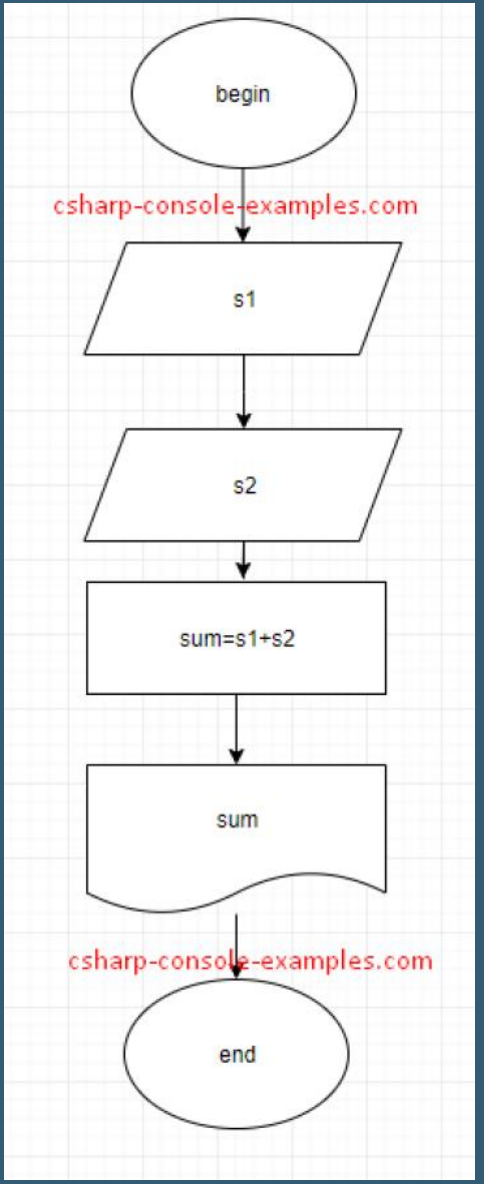
- Pseudocode is a compact and informal high-level description of a program using the conventions of a programming language, but intended more for humans.
- There is no pseudocode standard syntax and so at times it becomes slightly confusing when writing Pseudocode and so let us understand pseudo code with an example.

Pseudecode Syntax

- **FOR THOSE TUTORIALS I'LL USE THAT SYNTAX**
- **INPUT** – indicates a user will be inputting something
- **OUTPUT** – indicates that an output will appear on the screen
- **WHILE** – a loop (iteration that has a condition at the beginning)
- **FOR** – a counting loop (iteration)
- **REPEAT – UNTIL** – a loop (iteration) that has a condition at the end
- **IF – THEN – ELSE** – a decision (selection) in which a choice is made
- any instructions that occur inside a selection or iteration are usually indented

Pseudocode & Flowchart Example 1
Add Two Numbers

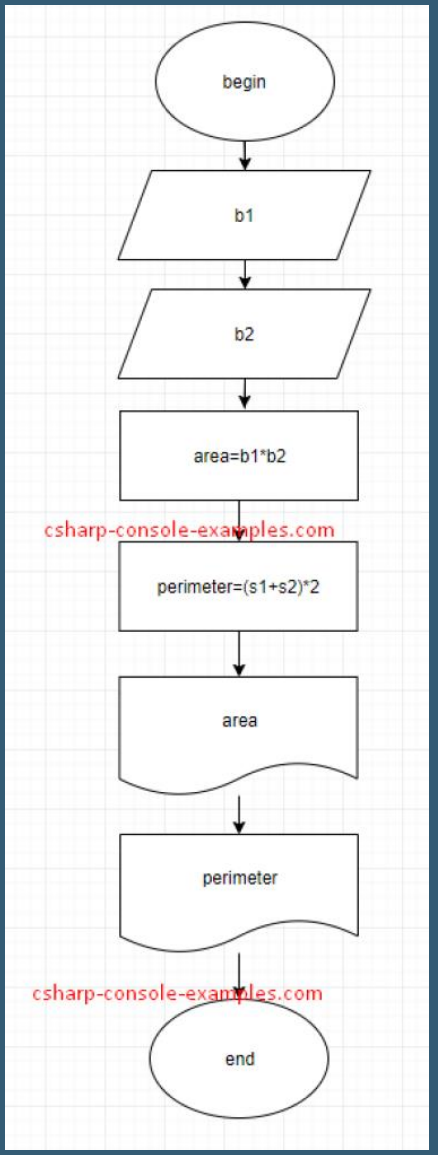
```
1  BEGIN
2  NUMBER s1, s2, sum
3  OUTPUT("Input number1:")
4  INPUT s1
5  OUTPUT("Input number2:")
6  INPUT s2
7  sum=s1+s2
8  OUTPUT sum
9  END
```



Pseudocode & Flowchart Example 2

Calculate Perimeter of Rectangle

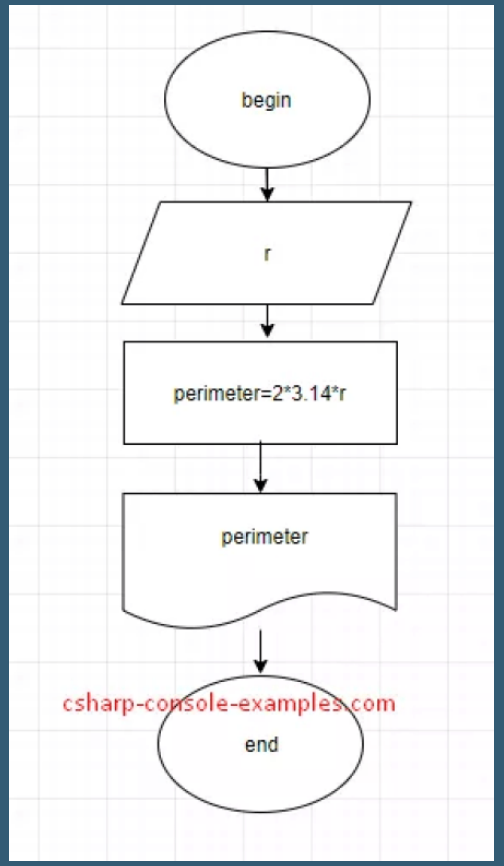
```
1  BEGIN
2  NUMBER b1,b2,area,perimeter
3  INPUT b1
4  UNPUT b2
5  area=b1*b2
6  perimeter=2*(b1+b2)
7  OUTPUT alan
8  OUTPUT perimeter
9  END
```



Pseudocode & Flowchart Example 3

Find Perimeter Of Circle using Radius

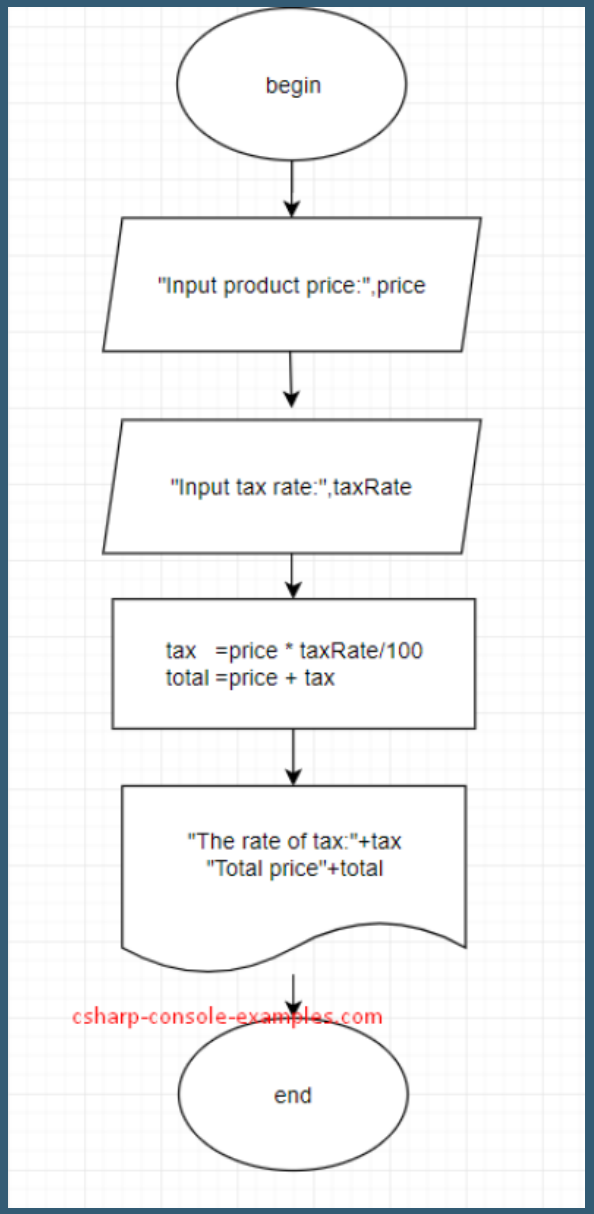
```
  BEGIN
2 NUMBER r, perimeter
3 INPUT r
4 area=3.14*2*r
5 OUTPUT perimeter
6 END
```



Pseudocode & Flowchart Example 4

Calculate sales taxes

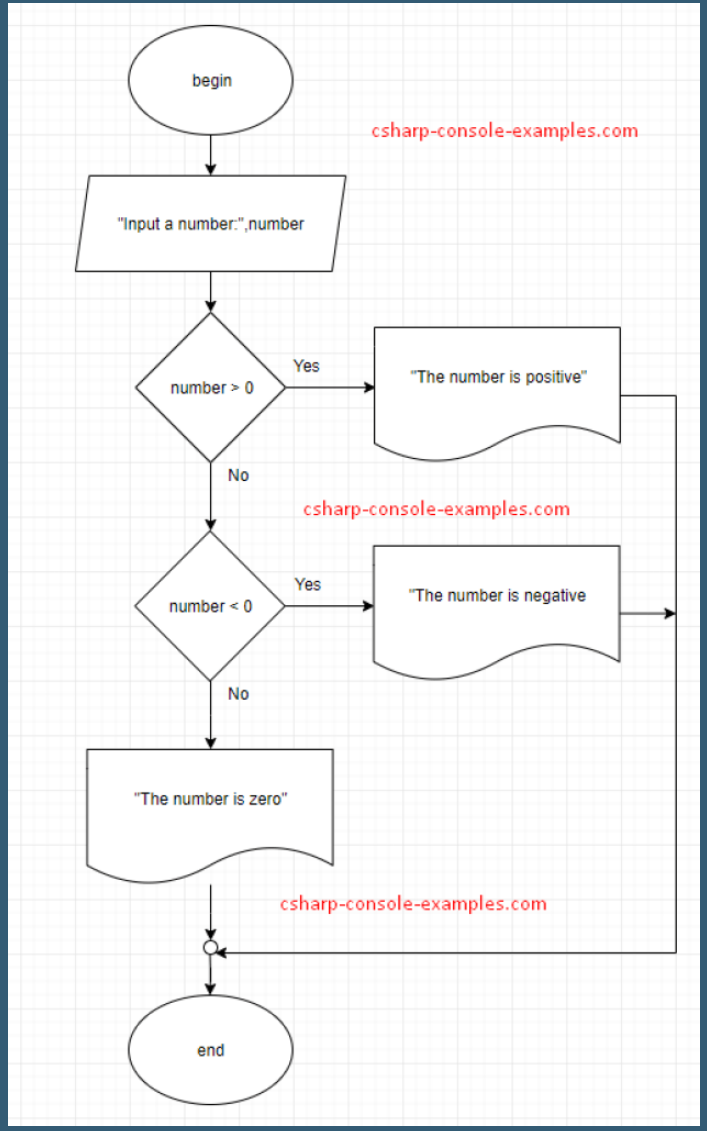
```
   BEGIN
3  NUMBER price, tax, taxRate, total
4
5  OUTPUT "Enter Product Price"
6  INPUT price
7  OUTPUT "Enter tax rate amoung 1 and 100"
8  OKU taxRate
9
10 tax= price* taxRate/100
11 total= price + tax
12
13 OUTPUT "Product tax="+tax
14 OUTPUT "Product total price ="+total
15
   END
```



Pseudocode & Flowchart Example 5

Check a Number is Positive or Negative

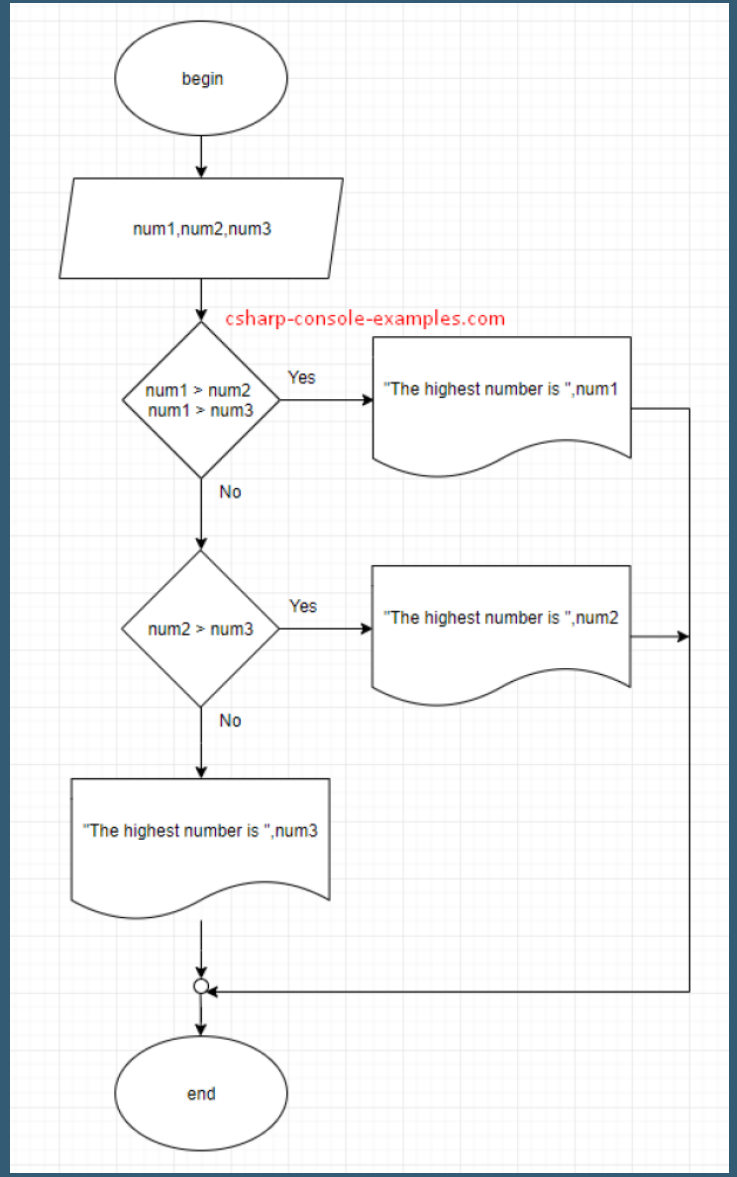
```
    BEGIN
5
6   NUMBER num
7
8   OUTPUT "Enter a Number"
9   OKU num
10  IF num>0  THEN
11      OUTPUT "Entered number is positive"
12  ELSE IF num <0 THEN
13      OUTPUT "Entered number is negative"
14  ELSE
15      OUTPUT "Entered number is zero"
16  ENDIF

    END
```



Pseudocode & Flowchart Example 6

Find the biggest of three (3) Numbers

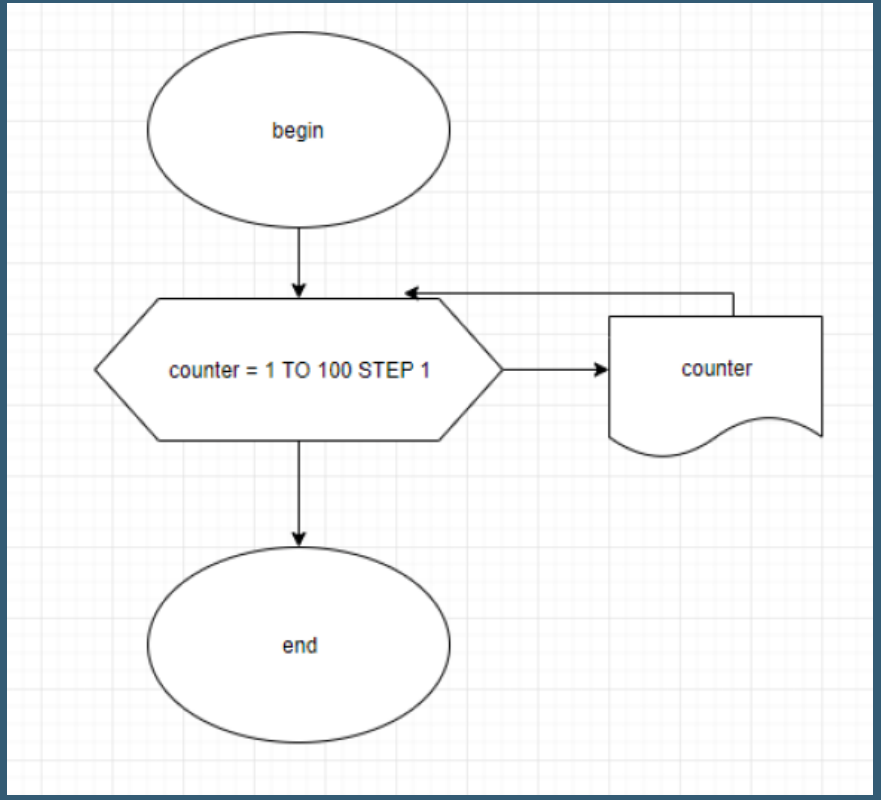
```
BEGIN
NUMBER num1,num2,num3
INPUT num1
INPUT num2
INPUT num3
IF num1>num2 AND num1>num3  THEN
    OUTPUT num1+ "is higher"
ELSE IF num2 > num3 THEN
    OUTPUT num2 + "is higher"
ELSE
    OUTPUT num3+ "is higher"
ENDIF
END
```



Pseudocode & Flowchart Example 7

Print Numbers from 1 to 100

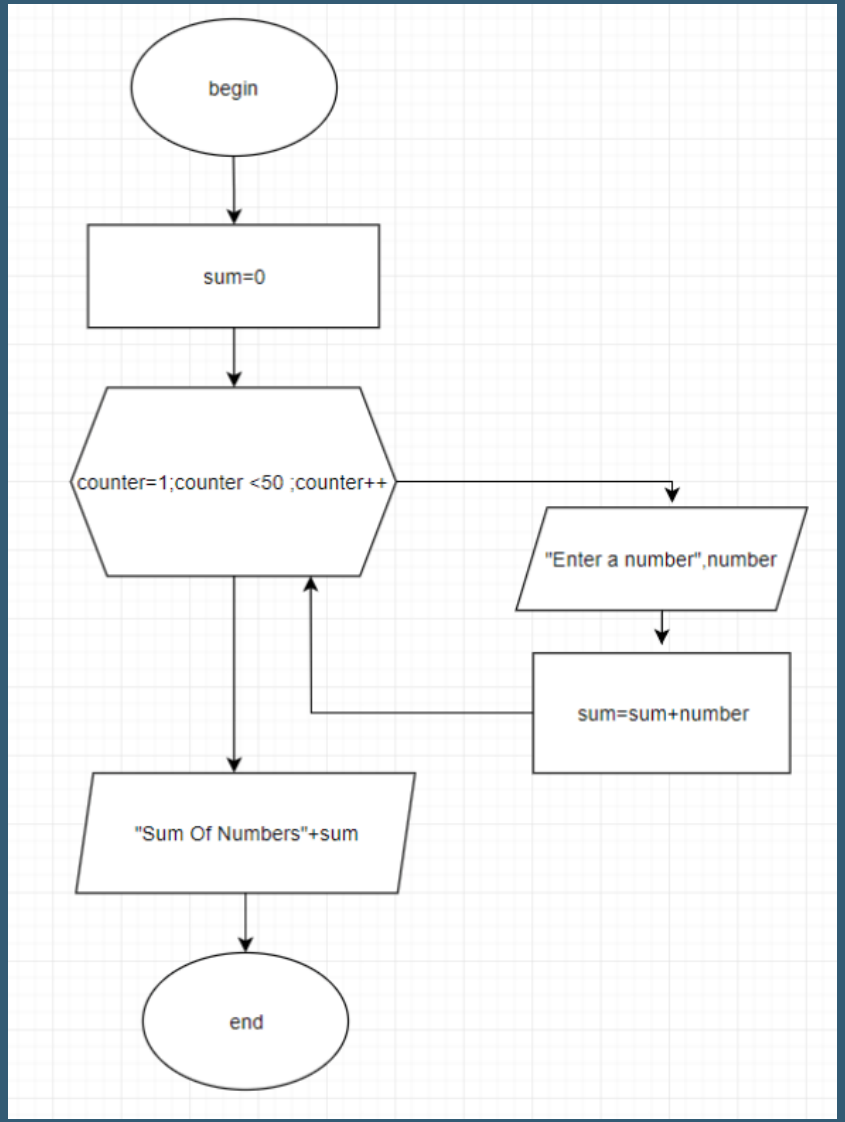
```
1  BEGIN
2  NUMBER counter
3
4  FOR  counter = 1 TO  100 STEP 1 DO
5      OUTPUUT counter
6  ENDFOR
7
8  END
```



Pseudocode & Flowchart Example 8

Read 50 numbers and find their sum

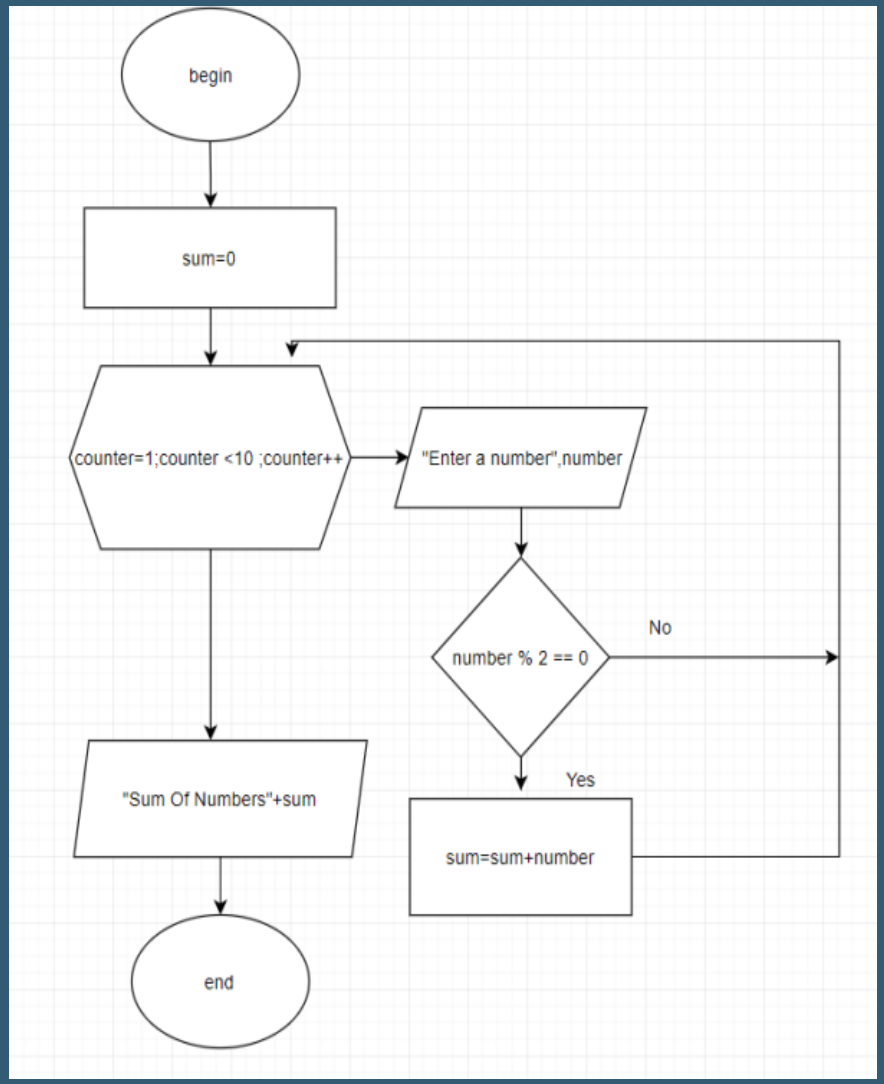
```
BEGIN
NUMBER counter, sum=0, num
FOR counter=1 TO 50 STEP counter DO
    OUTPUT "Enter a Number"
    INPUT num
    sum=sum+num
ENDFOR

OUTPUT sum
END
```



Pseudocode & Flowchart Example 9

Read 10 numbers and find sum of even numbers

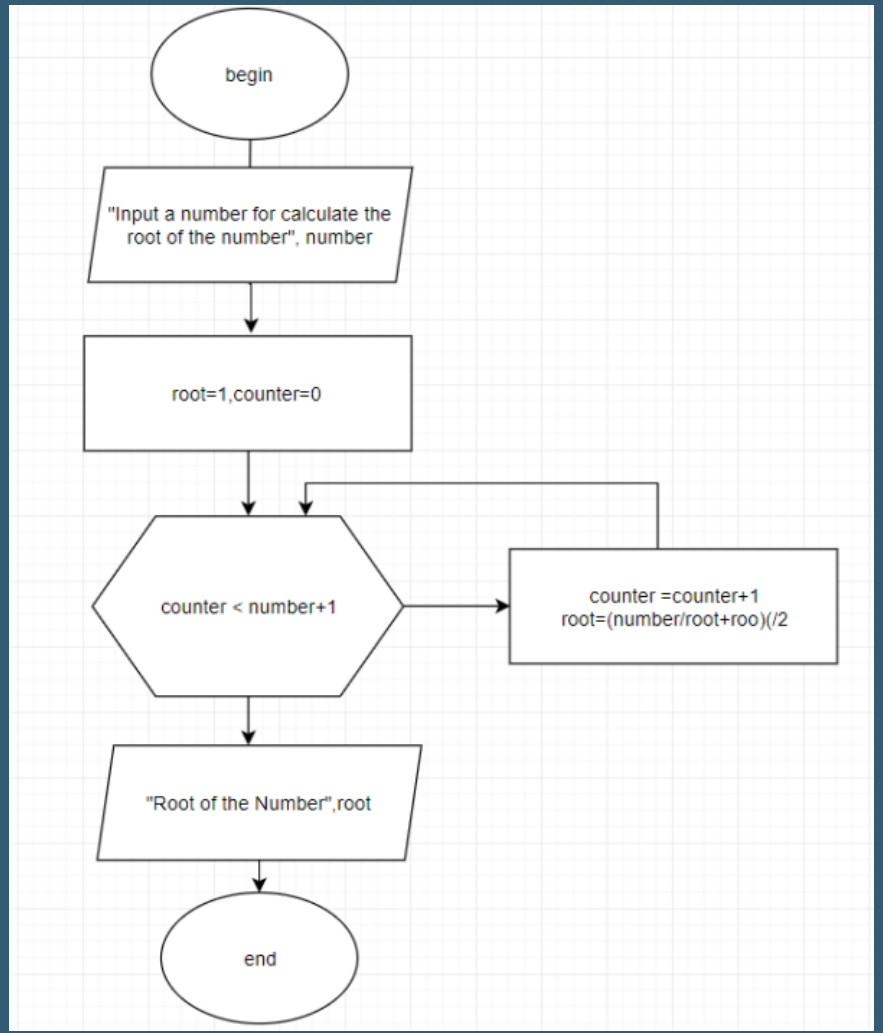
```
1   BEGIN
2   NUMBER counter, sum=0, num
3   FOR counter=1 TO 10 STEP 1 DO
4       OUTPUT "Enter a Number"
5       INPUT num
6       IF num % 2 == 0 THEN
7           sum=sum+num
8       ENDIF
9   ENDFOR
10  OUTPUT sum
11
12  BİTİR
13
14
15
```



Pseudocode & Flowchart Example 10

Calculate the Square Root of a Number

```
BEGIN

NUMBER root=1, counter=0,num
OUTPUT "Enter a number for calculate the root"
INPUT num
WHILE sayac < sayi+1 THEN
   i=i+1
   root=(num/root+root)/2
END WHILE
OUTPUT root
END
```



csharp-console-examples.com

For more pseudocode ve flowchart examples
click here