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.
Pseudocode 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
Add Two Numbers

BEGIN
NUMBER s1, s2, sum
OUTPUT("Input number1:"
INPUT s1
OUTPUT("Input number2:"))
INPUT s2
sum=s1+s2
OUTPUT sum
END
Calculate Perimeter of Rectangle

1. BEGIN
2. NUMBER b1, b2, area, perimeter
3. INPUT b1
4. UNINPUT b2
5. area = b1 * b2
6. perimeter = 2 * (b1 + b2)
7. OUTPUT area
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 among 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

BEGIN
2 NUMBER counter
3 FOR counter = 1 TO 100 STEP 1 DO
4 OUTPUT counter
5 ENDFOR
6 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

BEGIN
NUMBER counter, sum=0, num
FOR counter=1 TO 10 STEP 1 DO
  OUTPUT "Enter a Number"
  INPUT num
  IF num % 2 == 0 THEN
    sum=sum+num
  ENDIF
ENDFOR
OUTPUT sum
BITİR
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
For more pseudocode and flowchart examples, click here.