ASSIGNMENT 4: DEFINING FUNCTIONS

1. Write a program that contains the following two functions and test them:

```
1   #check whether three sides of a triangle are valid?
2   def isValid(side1, side2, side3):
3       # return True if three sides of a triangle are valid?
4       # otherwise return False
5
6   #Calculate area of a triangle
7   def area(side1, side2, side3):
8       # Call function isValid() to check inputs
9       # compute area if inputs are valid
10      # otherwise, displays that the "inputs are invalid"
11
12  # Enter three sides and call func area()
```

Sample Output 1:

Enter three sides: 1, 3, 1
Inputs are invalid

Sample Output 2:
Enter three sides: 1, 1, 1
The area of the triangle is 0.43

2. Write a function that takes an integer n and returns a random integer with exactly n digits.

   Sample Output:

   ndigit_random(2) → 34, ndigit_random(3) → 345, ndigit_random(4) → 4567

3. Write a function **even_digits**(n) that counts the number of even digits in n.

   Sample Output:

   even_digits(1234) → 2 , even_digits(1357) → 0

4. Write a function called **number_of_divisors** that takes an integer number and returns how many divisors the number has.