# Tutorial 6

## Task 1

Write a method that prints all elements in the range of given numbers (each element **in a new line**, assuming that **to** > = **from**, the range is including **from** / **to**)

If **from** is greater than **to** you should print nothing.

**public static void printRange(int from, int to){}**

**Example:** from: 2, to: 6  
**Result:**

**2**

**3**

**4**

**5**

**6**

**Example:** from: 6, to: 2

**Result:**

## Task 2

Write a method that returns the sum of numbers divisible by a divisor in a given range (range including from / to)

**public static int sumDivisible(int from, int to, int divisor){}**

**Example:** divisor: 2, from: 2, to: 6

**Result:** 12 (2+4+6)

**Example:** divisor: 5, from: 8, to: 21

**Result:** 45 (10+15+20)

## Task 3

Write a method that will calculate the factorial of the given number (positive numbers only)

**public static int getFactorial(int num){}**

**Example:** num: 7

**Result:** 5040

## Task 4

Write a method that checks if the given number is a prime number (including 0,1,2)  
**public static bool isPrime(int num){}**

**Example:** num: 0

**Result:** false

**Example:** num: 5

**Result:** true

## Task 5

Write a method that checks if a string is palindrome (case-sensitive)  
**public static bool isPalindrome(String word){}**

**Example:** word: Anna

**Result:** true

**Example** word: banana

**Result:** false

**Example** word: PIP

**Result:** true