

Assignment 1

- Create a methods that counts (use multiple threads) a number of primes in a given range
 - `int countPrimes(long start, long stop)`

Assignment 2

- define the Matrix and Vector classes to represent a matrix and vector
 - the type of matrix/vector entries is double
- create the methods
 - `Vector multiply(Matrix m, Vector v)`
 - `Matrix multiply(Matrix m, Matrix v)`
 - implement parallel multiplication
 - in a case of bad size of matrix/vector, the method throws an exception

Tests...

Test 1

- Is it possible to declare the variable `i` so that the following cycle never terminates?

```
while (i != i + 0) {  
  
}
```

Test 2

- Is it possible to declare the variables **i** and **j** so that the following cycle never terminates?

```
while (i <= j && j <= i && i != j) {  
  
}
```



Slides version P12.en.2018.01

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