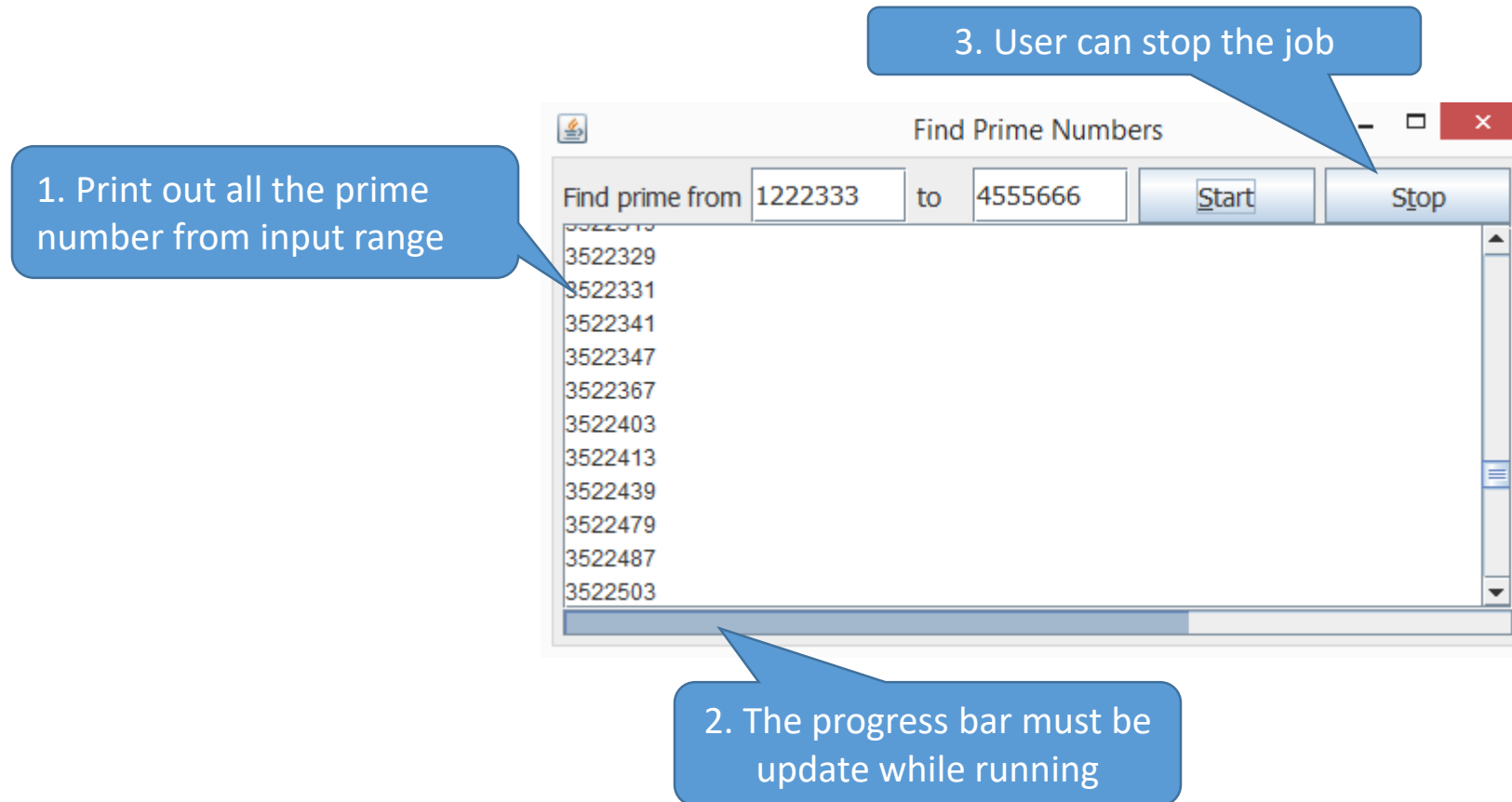# Java Programming

Assignment 6

Prime numbers generator

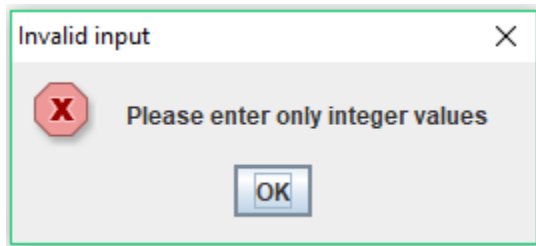• Write a program to print out the prime numbers
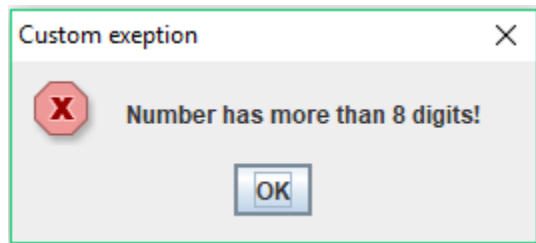
Multithreading

- You can use one of the options for threads: class Thread, or class SwingWorker.

- Write in comments where exactly the background thread starts by putting a single-line comment: "// background thread starts"

- Put Thread.*sleep*(300) after each iteration

Exceptions handling

- User input can contain wrong characters (non digit) or can be empty, so check it before starting the background thread
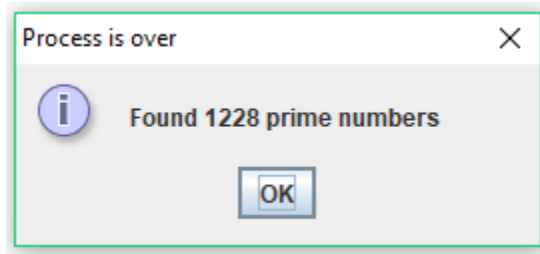

- Maximum number of digits of input number is **8**, so declare your own exception for this case

Remarks

- **External libraries** for finding prime numbers **are not allowed** -> you should write this function by yourself

- Show dialog window after prime numbers are generated with the amount of found prime numbers

Process is over   ✕

ⓘ Found 1228 prime numbers

OK

- You'll get maximum score if everything works without errors, input exceptions are handled and all tasks are completed

Questions

- If you have difficulties with submission or understanding the task, you can contact me
  - nazarov7mu@gmail.com
  - @nazarov7mu