

# Java introduction laboratories

## Installing Java IDE

1. Install Java IDE (<https://www.jetbrains.com/idea/download/#section=mac>)

## Starting a new project

2. Start new command line project called `firstName_lastName_java01` in package `pl.edu.pk.erasmus.java`
3. In the project form point 2. print to standard output "Hello World form Java!"

## Exploring java with jshell

4. In jshell assign a value to variable and print it out with `System.out.println()`

## Printing out with java

5. In project assign a value of short, int, float and boolean and then prints them out using: `System.out.println()`

## Programming assignment

6. Using short-hand if expression assign a value to a string: if `age > 18` "can vote" else "can't vote" (You should also initialise variable `age` with value of 20 and 17 and check if the string assignment is correct using `println` methods)
7. Using **if** and **switch** statement assign a value to a string variable. The value should be "*small*", "*medium*" or "*extra large*" based on value of provided integer `x`. If `x` is 1 or 2 string should have value "*small*"; if `x` is 3 "*medium*"; if `x` is 4 or 5 "*extra large*".