# Lab Work

Configure your workstation so that we can use gradle. You can also use the “gradle-4.7-bin” installation provided. You will need to set up your environment variables.

Create a simple gradle project on eclipse IDE with:

Just like for maven, create the following classes.

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| --- |
| package fizzbuzz;  import org.assertj.core.api.Assertions;  import org.junit.Test;  public class FizzbuzzTest extends TestCase {    public void should\_return\_1\_when\_fizzBuzz\_is\_called\_with\_1() {  // Given  int input = 1;  String expected = "1";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }    public void should\_return\_2\_when\_fizzBuzz\_is\_called\_with\_2() {  // Given  int input = 2;  String expected = "2";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  public void should\_return\_Fizz\_when\_fizzBuzz\_is\_called\_with\_3() {  // Given  int input = 3;  String expected = "Fizz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  public void should\_return\_Fizz\_when\_fizzBuzz\_is\_called\_with\_6() {  // Given  int input = 6;  String expected = "Fizz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  public void should\_return\_Buzz\_when\_fizzBuzz\_is\_called\_with\_5() {  // Given  int input = 5;  String expected = "Buzz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  public void should\_return\_Buzz\_when\_fizzBuzz\_is\_called\_with\_10() {  // Given  int input = 10;  String expected = "Buzz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  public void should\_return\_FizzBuzz\_when\_fizzBuzz\_is\_called\_with\_15() {  // Given  int input = 15;  String expected = "FizzBuzz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }    public void should\_return\_FizzBuzz\_when\_fizzBuzz\_is\_called\_with\_30() {  // Given  int input = 30;  String expected = "FizzBuzz";  FizzBuzz fizzBuzz = new FizzBuzz();  // When  String result = fizzBuzz.fizzBuzzIt(input);  // Then  Assertions.assertThat(result).isEqualTo(expected);  }  } |

Configure your gradle.build file to insert the missing dependencies and build your application.

### Junit:

* groupId: junit
* artifactId: junit
* version: 4.12

### AssertJ Core:

* groupId: org.assertj
* artifactId: assert-core
* version: 3.7.0