## Windows PowerShell PS F:\3103\newmath\_java\src> javac Main.java PS F:\3103\newmath\_java\src> java Main.java Newmath (type 'exit' to exit program) Numerator: 1 Demoninator: 2 1 / 2 = 0 Numerator: 10 Demoninator: 5 10 / 5 = 2 Numerator: 20 Demoninator: 3 20 / 3 = 6 Numerator: exit

## Junit5

```
🖁 Package Explorer 🗗 JUnit 🖾
                                                   □ □ 🔝 Main.java 🗓 NewmathTest.java 🛭
                      1⊖ import static org.junit.jupiter.api.Assertions.assertEquals;
                                                              2 import static org.junit.jupiter.api.Assertions.assertThrows;
Finished after 0.07 seconds
                                                              4 import org.junit.jupiter.api.Test;
 Runs: 2/2 Errors: 0 Failures: 0
                                                             6 class NewmathTest {
 ✓ In NewmathTest [Runner: JUnit 5] (0.000 s)
                                                                   void div_ok() {
    div ok() (0.000 s)
                                                                       assertEquals(2, Newmath.div(4, 2));
    div_by_zero() (0.000 s)
                                                            13⊝
                                                                   void div_by_zero() {
   assertThrows(
                                                            15
16
                                                                      ArithmeticException.class,
                                                                       () -> Newmath.div(4, 0)
                                                            18
19
                                                            20
21
22 }
```

## elixir

```
F:\3103\newmath_ex>iex lib/newmath_ex.ex
Interactive Elixir (1.11.4) - press Ctrl+C to exit (type h() ENTER for help)
iex(1)> NewmathEx.div(5,2)
{:ok, 2.5}
iex(2)> NewmathEx.div(5,0)
{:error, "Cannot divide by zero"}
iex(3)> _
```

## exunit

```
F:\3103\newmath_ex>mix test
Compiling 1 file (.ex)
Generated newmath_ex app
...
Finished in 0.01 seconds
1 doctest, 2 tests, 0 failures
Randomized with seed 917000
F:\3103\newmath_ex>
```