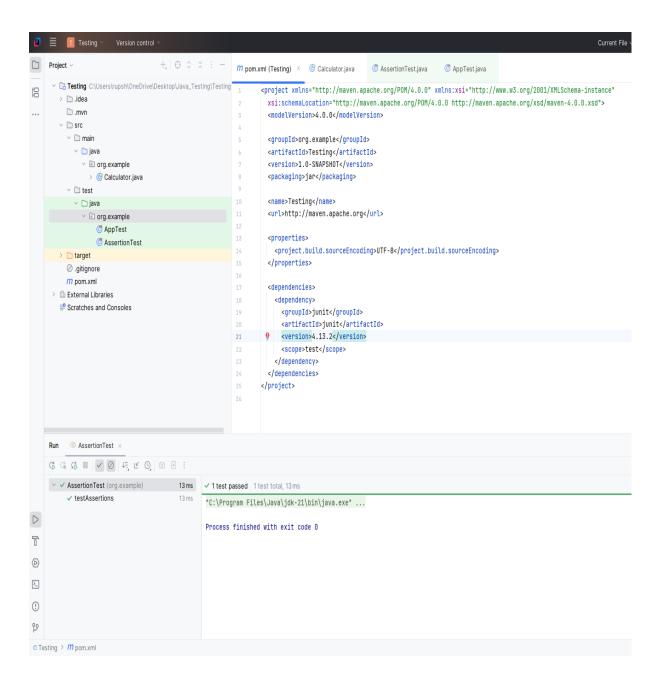
Testing

Exercise 1: Setting Up Junit



Exercise 2: Writing Basic JUnit Tests

```
□ Project ∨

→ Testing C:\Users\rupsh\OneDrive\Desktop\Java_Testing\Testing

旦
        > 🗀 .idea
          .mvn
                                                                    class Cal { 4 usages
        ∨ 🗀 src
                                                                      public int add(int a, int b) { 2 usages
          🗸 🗀 main
                                                                          return a + b;
            🗸 🗀 java
              public int subtract(int a, int b) { 2 usages
                > ( Calculator.java

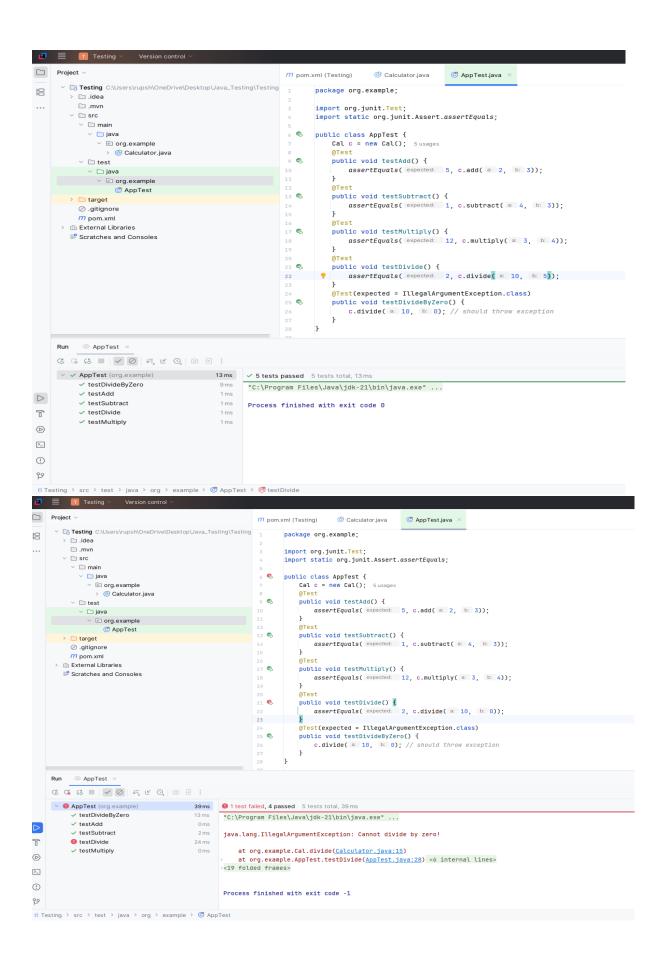
∨ □ test

                                                                      public int multiply(int a, int b) { 2 usages
            🗸 🗀 java

∨ org.example

                                                                          return a * b;
                 C AppTest
                                                                      public int divide(int a, int b) { 3 usages
        > 🗀 target
                                                                          if (b == 0) {
          ⊘ .gitignore
                                                                             throw new IllegalArgumentException("Cannot divide by zero!");
          m pom.xml
      > 

External Libraries
                                                                          return a / b;
        Scratches and Consoles
                                                            19
                                                            20 🗅
                                                                   public class Calculator
                                                            22 Þ
                                                                       public static void main( String[] args )
                                                                     Cal c = new Cal();
int r1=c.add( a 2, b 3);
System.out.println(r1);
int r2=c.subtract( a 4, b 3);
System.out.println(r2);
int r3=c.multiply( a 3, b 4);
System.out.println(r3);
                                                                           Cal c = new Cal();
                                                            28
                                                            30
                                                                         System.out.println(r3);
                                                                          int r4=c.divide( a: 5, b: 6);
                                                                           System.out.println(r4);
Run Calculator ×
T
    ₲ ■ | ◎ :
Þ
     *C:\Program Files\Java\jdk-21\bin\java.exe* "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2025.1.1.1\lib\idea_rt.jar=49704" -Dfile.encoding=UTF-8 -Dsun.str
>_
① = 12
လှ
```



Exercise 3: Assertions in Junit

