WEEK 2

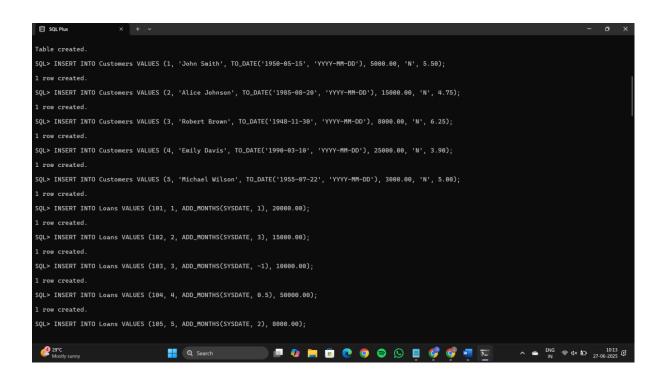
1. Exercise 1: Control Structures

Table Creation:

```
ected to:
le Database 21c Express Edition Release 21.0.0.0.0 - Production
ion 21.3.0.0.0

CREATE TABLE Customers (
    CustomerID NUMBER PRIMARY KEY,
    Name VARCHAR2(100),
    BirthDate DATE,
    Balance NUMBER(10,2),
    IsVIP CHAR(1) DEFAULT 'N' CHECK (IsVIP IN ('Y', 'N')),
    CurrentLoanInterestRate NUMBER(5,2)
);
e created.

CREATE TABLE Loans (
    LoanID NUMBER PRIMARY KEY,
    CustomerID NUMBER,
    DueDate DATE,
    Amount NUMBER(10,2),
    CONSTRAINT fk_customer FOREIGN KEY (CustomerID) REFERENCES Customers(CustomerID)
);
```



Scenario 1:

Scenario 2:

```
SQL> DECLARE
SQL> v_vip_threshold NUMBER := 10000;
SQL> v_count NUMBER := 0;
SQL> FOR cust_rec IN (SELECT CustomerID, Name, Balance FROM Customers WHERE IsVIP = 'N')
SQL> FOR cust_rec.Balance > v_vip_threshold THEN
SQL> UPDATE Customers
SQL> UPDATE Customers
SQL> SET IsVIP = 'Y'
SQL> WHERE CustomerID = cust_rec.CustomerID;
SQL> WHERE CustomerID = cust_rec.CustomerID;
SQL> DBMS_OUTPUT.PUT_LINE('Promoted to VIP: ' || cust_rec.Name ||
SQL> v_count := v_count + 1;
SQL> END IF;
SQL> END IF;
SQL> END IF;
SQL> COMMIT;
SQL> COMMIT;
SQL> COMMIT;
SQL> DBMS_OUTPUT.PUT_LINE('VIP promotion process completed. ' || v_count || ' customers promoted.');
SQL> SQL> COMMIT;
SQL> DBMS_OUTPUT.PUT_LINE('Error: ' || SQLERRM);
SQL> MHEN OTHERS THEN
SQL> BOLBACK;
SQL> ROLLBACK;
SQL> ROLLBACK;
SQL> ROLLBACK;
SQL> ROLLBACK;
SQL> Frocedure successfully completed.
```

Scenario 3:

```
SQL> DECLARE
SQL>
SQL>
SQL>
              v_today DATE := SYSDATE;
v_due_date_threshold DATE := v_today + 30;
              v_reminder_count NUMBER := 0;
SQL> BEGIN
              DBMS_OUTPUT.PUT_LINE('--- LOAN DUE REMINDERS (Next 30 Days) ---');
sQL>
sQL>
              FOR loan_rec IN (
SELECT l.LoanID, l.DueDate, c.CustomerID, c.Name, l.Amount
sǫ̀L>
SQL>
SQL>
SQL>
SQL>
                     FROM Loans l
                    JOIN Customers c ON l.CustomerID = c.CustomerID
WHERE l.DueDate BETWEEN v_today AND v_due_date_threshold
                    ORDER BY l.DueDate
)
LOOP
             DBMS_OUTPUT.PUT_LINE('Reminder: Customer ' || loan_rec.Name ||

' (ID: ' || loan_rec.CustomerID || ') has loan ' ||

loan_rec.LoanID || ' for $' || loan_rec.Amount ||

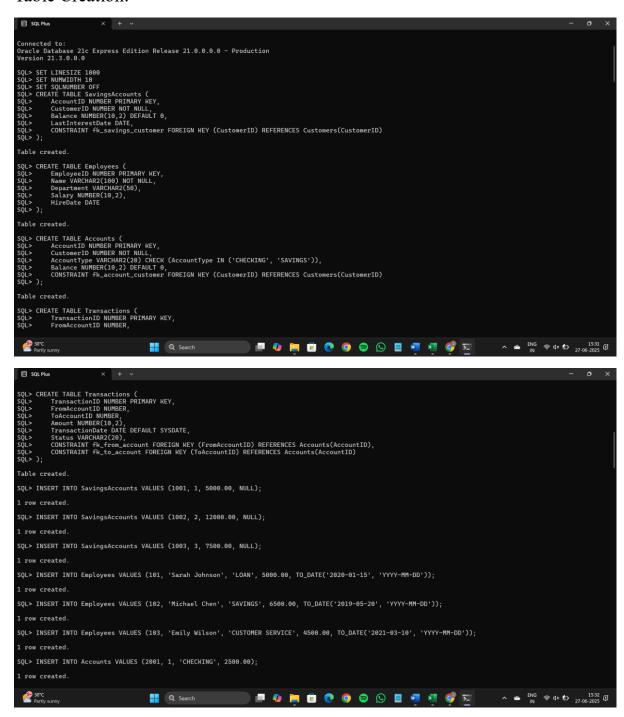
' due on ' || TO_CHAR(loan_rec.DueDate, 'YYYY-MM-DD'));

v_reminder_count := v_reminder_count + 1;

END LOOP;
SQL>
SQL>
              IF v_reminder_count = 0 THEN
    DBMS_OUTPUT_PUT_LINE('No loans due in the next 30 days.');
sǫL>
SQL> DBMS_OUTPUT.PUT_LINE('Total reminders sent: ' || v_reminder_count);
SQL> END IF;
SQL> EXCEPTION
SQL> WUFIN OTHER
             WHEN OTHERS THEN
DBMS_OUTPUT.PUT_LINE('Error: ' || SQLERRM);
sQL>
SQL>
SQL> END;
SQL>/
--- LOAN DUE REMINDERS (Next 30 Days) ---
Reminder: Customer John Smith (ID: 1) has loan 101 for $20000 due on 2025-07-27
Total reminders sent: 1
PL/SQL procedure successfully completed.
```

2. Exercise 3: Stored Procedures

Table Creation:



```
SQL> INSERT INTO Employees VALUES (101, 'Sarah Johnson', 'LOAN', 5000.00, TO_DATE('2020-01-15', 'YYYY-HM-DD'));

1 row created.

SQL> INSERT INTO Employees VALUES (102, 'Michael Chen', 'SAVINGS', 6500.00, TO_DATE('2019-05-20', 'YYYY-HM-DD'));

1 row created.

SQL> INSERT INTO Employees VALUES (103, 'Emily Wilson', 'CUSTOMER SERVICE', US00.00, TO_DATE('2021-03-10', 'YYYY-HM-DD'));

1 row created.

SQL> INSERT INTO Accounts VALUES (2001, 1, 'CHECKING', 2500.00);

1 row created.

SQL> INSERT INTO Accounts VALUES (2002, 1, 'SAVINGS', 5000.00);

1 row created.

SQL> INSERT INTO Accounts VALUES (2004, 2, 'SAVINGS', 12000.00);

1 row created.

SQL> INSERT INTO Accounts VALUES (2004, 2, 'SAVINGS', 12000.00);

1 row created.

SQL> COMMIT;

GOMMIT;

GOMMIT;

Commit complete.

Page 1 to 10 to
```

Scenario 1:

Scenario 2:

```
SQL> CREATE OR REPLACE PROCEDURE UpdateEmployeeBonus(
    p_department IN VARCHAR2,
    p_bonus_percent IN NUMBER

SQL> p_bonus_percent IN NUMBER := 0;
SQL> V_updated_count NUMBER := 0;
SQL> IF p_bonus_percent < 0 OR p_bonus_percent > 100 THEN
    DBMS_OUTPUT.PUT_LINE('Error: Bonus percentage must be between 0 and 100');
SQL> ERTUR;
SQL> END IF;
SQL> FOR emp IN (SELECT EmployeeID FROM Employees WHERE Department = p_department) LOOP
    UPDATE Employees
SQL> SET Salary = Salary * (1 + (p_bonus_percent/100))
SQL> WHERE EmployeeID = emp.EmployeeID;
SQL> V_updated_count := v_updated_count + 1;
SQL> END LOOP;
SQL> END LOOP;
SQL> COMMIT;
SQL> COMMIT;
SQL> COMMIT;
SQL> EXCEPTION
SQL> WHEN OTHERS THEN
SQL> DBMS_OUTPUT.PUT_LINE('Updated salaries with ' || p_bonus_percent || '% bonus for ' ||
SQL> EXCEPTION
SQL> WHEN OTHERS THEN
SQL> DBMS_OUTPUT.PUT_LINE('Error updating employee bonuses: ' || SQLERRM);
SQL> KOLLBACK;
SQL> FOR DUPDATE EmployeeBonus;
SQL> /
Procedure created.
```

```
SQL> EXEC UpdateEmployeeBonus('LOAN', 5);
Updated salaries with 5% bonus for 1 employees in LOAN department.

PL/SQL procedure successfully completed.

SQL> SELECT EmployeeID, Name, Salary FROM Employees WHERE Department = 'LOAN';

EMPLOYEEID NAME SALARY

101 Sarah Johnson 5512.5
```

Scenario 3:

```
CREATE OR REPLACE PROCEDURE TransferFunds(
p_from_account IN NUMBER,
p_to_account IN NUMBER,
p_amount IN NUMBER
SQL> p_dansas
SQL> p_dansas
SQL> v_from_balance NUMBER;
SQL> v_to_account_exists NUMBER;
SQL> begin
SQL> IF p_amount <= 0 THEN
SQL> IF p_amount <= 0 THEN
SQL> DBMS_OUTPUT_PUT_LINE('Error: Transfer amount must be positive');
SQL> INSERT INTO Transactions VALUES (TRANSACTION_ID_SEQ.NEXTVAL, p_from_account, p_to_account, p_amount, SYSDATE, 'FAILED - INVALID AMOUNT');
               RETURN;
END IF;
               SELECT Balance INTO v_from_balance
FROM Accounts
WHERE AccountID = p_from_account
FOR UPDATE;
                SELECT COUNT(*) INTO v_to_account_exists
                FROM Accounts
WHERE AccountID = p_to_account;
               RETURN;
END IF;
               IF v_from_balance < p_amount THEN

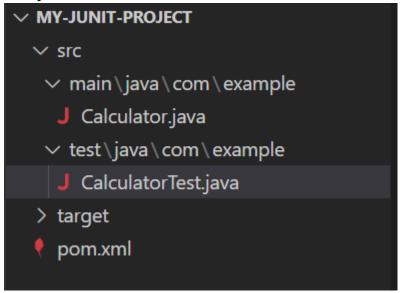
DBMS_OUTPUT.PUT_LINE('Error: Insufficient funds in source account');

INSERT INTO Transactions VALUES (TRANSACTION_ID_SEQ.NEXTVAL, p_from_account, p_to_account, p_amount, SYSDATE, 'FAILED - INSUFFICIENT FUNDS');
               COMMIT;
RETURN;
END IF;
                UPDATE Accounts SET Balance = Balance - p_amount WHERE AccountID = p_from_account; UPDATE Accounts SET Balance = Balance + p_amount WHERE AccountID = p_to_account;
                SQL> COMMIT
SQL> DBMS_C
SQL>
SQL> EXCEPTION
                DBMS_OUTPUT.PUT_LINE('Successfully transferred $' || p_amount || ' from account ' || p_from_account || ' to account ' || p_to_account);
                EPTION
WHEN NO_DATA_FOUND THEN
DBMS_OUTPUT.PUT_LINE('Error: Source account not found');
INSERT INTO Transactions VALUES (TRANSACTION_ID_SEQ.NEXTVAL, p_from_account, p_to_account,
p_amount, SYSDATE, 'FAILED - SOURCE ACCOUNT NOT FOUND');
        COMMIT;
WHEN OTHERS THEN
DBMS_OUTPUT.PUT_LINE('Error during transfer: ' || SQLERRM);
ROLLBACK;
END TransferFunds;
Warning: Procedure created with compilation errors.
```

```
SQL> EXEC TransferFunds(2001, 2002, 500);
Successfully transferred $500 from account 2001 to account 2002
PL/SQL procedure successfully completed.
SQL> SELECT AccountID, Balance FROM Accounts WHERE AccountID IN (2001, 2002);
 ACCOUNTID
               BALANCE
                  1500
      2001
      2002
                  6000
SQL> SELECT * FROM Transactions WHERE FromAccountID = 2001 AND ToAccountID = 2002;
TRANSACTIONID FROMACCOUNTID TOACCOUNTID
                                                AMOUNT TRANSACTI STATUS
                         2001
                                                    500 27-JUN-25 COMPLETED
             1
                                      2002
             2
                         2001
                                      2002
                                                    500 27-JUN-25 COMPLETED
```

3. Exercise 1: Setting Up Junit

Setup:



Java and maven:

```
Microsoft Windows [Version 10.0.26100.4061]
(c) Microsoft Corporation. All rights reserved.

C:\Users\jutur>java --version
java 24.0.1 2025-04-15
Java(TM) SE Runtime Environment (build 24.0.1+9-30)
Java HotSpot(TM) 64-Bit Server VM (build 24.0.1+9-30, mixed mode, sharing)

C:\Users\jutur>mvn --version
Apache Maven 3.9.10 (5f519b97e944483d878815739f519b2eade0a91d)
Maven home: C:\Program Files\apache-maven-3.9.10
Java version: 24.0.1, vendor: Oracle Corporation, runtime: C:\Program Files\Java\jdk-24
Default locale: en_IN, platform encoding: UTF-8
OS name: "windows 11", version: "10.0", arch: "amd64", family: "windows"
```

Calculator.java

CalculatorTest.java

```
Welcome
                                                       J CalculatorTest.java ×
 src > test > java > com > example > 🔳 CalculatorTest.java > 😭 CalculatorTest
         import org.junit.Test;
        import static org.junit.Assert.*;
\triangleright
        public class CalculatorTest {
             Calculator calculator = new Calculator();
             @Test
             public void testAdd() {
                 assertEquals(5, calculator.add(a:2, b:3));
   13
             @Test
> 15
             public void testSubtract() {
                 assertEquals(1, calculator.subtract(a:3, b:2));
```

pom.xml

```
pom.xml
     oject>
        <modelVersion>4.0.0</modelVersion>
        <groupId>com.example
        <artifactId>my-junit-project</artifactId>
        <version>1.0</version>
        <dependencies>
6
            <dependency>
                <groupId>junit
                <artifactId>junit</artifactId>
                <version>4.13.2
10
11
                <scope>test</scope>
12
            </dependency>
13
        </dependencies>
     </project>
```

```
PS C:\Users\jutur\Downloads\my-junit-project> cd C:\Users\jutur\Downloads\my-junit-project
PS C:\Users\jutur\Downloads\my-junit-project> mvn -v
```

```
-----
[INFO] TESTS
[INFO] -------
[INFO] Running com.example.CalculatorTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.111 s -- in com.example.CalculatorTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.495 s
[INFO] Finished at: 2025-06-27T19:32:37+05:30
[INFO] ------
PS C:\Users\jutur\Downloads\my-junit-project>
```

4. Exercise 3: Assertions in Junit

Setup:

pom.xml

```
pom.xml
                         ×
💢 Welcome
                             J AssertionsTest.java 1
 pom.xml
  1 ∨ <project>
          <modelVersion>4.0.0</modelVersion>
          <groupId>com.example
          <artifactId>my-junit-project</artifactId>
          <version>1.0</version>
          <dependencies>
              <dependency>
                  <groupId>junit
                  <artifactId>junit</artifactId>
                  <version>4.13.2
 11
                  <scope>test</scope>
 12
              </dependency>
 13
          </dependencies>
      /project>
  14
```

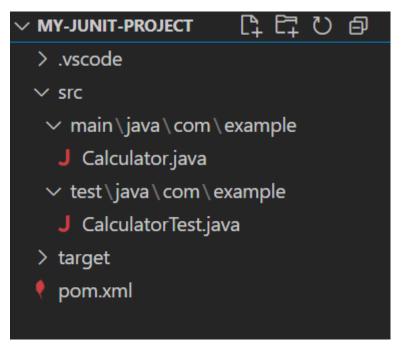
AssertionsTest.java

```
J AssertionsTest.java 1 X
 ⋈ Welcome
 src > test > java > com > example > → AssertionsTest.java > 😝 AssertionsTest > 🏵 testAssertions()
        package com.example;
    3 > import org.junit.Test; ...
        public class AssertionsTest {
Ø 6
             @Test
public void testAssertions() {
                 assertEquals(5, 2 + 3);
   12
                 assertTrue(5 > 3);
                 assertFalse(5 < 3);</pre>
                 assertNull(null);
                 assertNotNull(new Object());
                 String str = "JUnit";
                 assertNotEquals("TestNG", str);
                 int[] numbers = {1, 2, 3};
                 int[] expected = {1, 2, 3};
                 assertArrayEquals(expected, numbers);
             @Test(expected = ArithmeticException.class)
Ø 35
             public void testException() {
                 int result = 10 / 0;
```

```
[INFO] -----
[INFO] TESTS
[INFO] -----
[INFO] Running com.example.AssertionsTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.100 s -- in com.e
xample.AssertionsTest
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.100 s -- in com.e
xample.AssertionsTest
[INFO]
[INFO] Tests run: 2, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] -----
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 3.596 s
[INFO] Finished at: 2025-06-27T19:51:35+05:30
PS C:\Users\jutur\Downloads\my-junit-project>
```

5. Exercise 4: Arrange-Act-Assert (AAA) Pattern, Test Fixtures, Setup and Teardown Methods in Junit

Setup:



Calculator.java

CalculatorTest.java

```
⋈ Welcome
                                 J CalculatorTest.java X J Calculator.java
 src > test > java > com > example > 🔳 CalculatorTest.java > ધ CalculatorTest
        package com.example;
        import org.junit.*;
        import static org.junit.Assert.*;
        public class CalculatorTest {
            private Calculator calculator;
            // Setup method runs before each test
            public void setUp() {
                calculator = new Calculator();
                System.out.println(x:"Setting up test...");
            // Teardown method runs after each test
            @After
            public void tearDown() {
                calculator = null;
                System.out.println(x:"Cleaning up after test...");
            @Test
> 24
            public void testAdd() {
               // Arrange
```

```
J CalculatorTest.java X J Calculator.java
⋈ Welcome
src > test > java > com > example > J CalculatorTest.java > % CalculatorTest
       public class CalculatorTest {
            public void testAdd() {
                // Arrange
                int a = 5;
                int b = 3;
                int result = calculator.add(a, b);
                // Assert
                assertEquals("5 + 3 should equal 8", 8, result);
            @Test
            public void testSubtract() {
                // Arrange
                int a = 10;
                int b = 4;
                int result = calculator.subtract(a, b);
                assertEquals("10 - 4 should equal 6", 6, result);
```

Pom.xml

```
⋈ Welcome
               mx.moq 📍
                         ×
 pom.xml
       oject>
          <modelVersion>4.0.0</modelVersion>
          <groupId>com.example</groupId>
          <artifactId>my-junit-project</artifactId>
          <version>1.0</version>
          <dependencies>
              <dependency>
                  <groupId>junit
                  <artifactId>junit</artifactId>
                  <version>4.13.2
                  <scope>test</scope>
 11
              </dependency>
          </dependencies>
      </project>
```

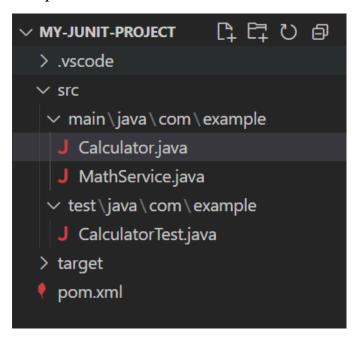
```
[INFO]
       TESTS
[INFO]
[INFO] Running com.example.CalculatorTest
Setting up test...
Cleaning up after test...

[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.156 s -- in com.example.CalculatorTest

[INFO] Running com.example.CalculatorTest
Setting up test...
Cleaning up after test...
[INFO] Running com.example.CalculatorTest
Setting up test...
[INFO] Running com.example.CalculatorTest
[INFO] Running com.example.CalculatorTest
Setting up test...
Cleaning up after test...
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.156 s -- in com.example.CalculatorTest
[INFO]
[INFO] Results:
[INFO]
[INFO] Tests run: 1, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO] ------
[INFO] BUILD SUCCESS
[INFO] -----
[INFO] Total time: 2.945 s
[INFO] Finished at: 2025-06-28T08:08:46+05:30
PS C:\Users\jutur\Downloads\my-junit-project>
```

6. Exercise 1: Mocking and Stubbing

Setup:



Calculator.java

```
pom.xml
                J MathService.java
                                     J CalculatorTest.java
                                                            J Calculator.java ●
src > main > java > com > example > J Calculator.java > ...
       package com.example;
       public class Calculator {
           private final MathService mathService;
           public Calculator(MathService mathService) {
               this.mathService = mathService;
           public int addNumbers(int a, int b) {
               return mathService.add(a, b);
 11
 12
 13
           public int subtractNumbers(int a, int b) {
               return mathService.subtract(a, b);
 17
           public int multiplyNumbers(int a, int b) {
               return a * b; // Local implementation without dependency
 21
 22
```

MathService.java

CalculatorTest.java

```
J CalculatorTest.java X J Calculator.java
src > test > java > com > example > J CalculatorTest.java > 4 CalculatorTest
     package com.example;
      import org.junit.jupiter.api.Test;
      import static org.junit.jupiter.api.Assertions.*;
      import static org.mockito.Mockito.*;
      public class CalculatorTest {
          @Test
          public void testAddNumbers() {
              MathService mockMathService = mock(MathService.class);
              when(mockMathService.add(a:10, b:20)).thenReturn(30);
                                                MathService mockMathService - com.example.CalculatorTest.testAddNumbers()
              Calculator calculator = new Calculator(mockMathService);
              assertEquals(30, calculator.addNumbers(a:10, b:20));
              verify(mockMathService).add(a:10, b:20);
          public void testSubtractNumbers() {
              MathService mockMathService = mock(MathService.class);
```

```
J MathService.java
                                     J CalculatorTest.java ×
src > test > java > com > example > 🤳 CalculatorTest.java > ધ CalculatorTest
      public class CalculatorTest {
          public void testAddNumbers() {
               verify(mockMathService).add(a:10, b:20);
          @Test
           public void testSubtractNumbers() {
               MathService mockMathService = mock(MathService.class);
               when(mockMathService.subtract(a:50, b:30)).thenReturn(20);
               Calculator calculator = new Calculator(mockMathService);
               assertEquals(20, calculator.subtractNumbers(a:50, b:30));
               verify(mockMathService).subtract(a:50, b:30);
          @Test
          public void testMultiplyNumbers() {
               // Testing a method without mock dependency
 40
               Calculator calculator = new Calculator(mock(MathService.class));
               assertEquals(200, calculator.multiplyNumbers(a:10, b:20));
 43
```

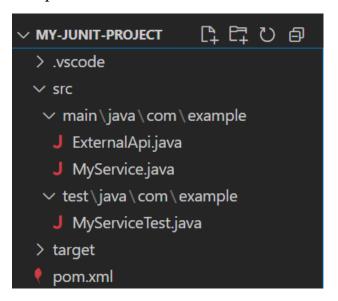
pom.xml

```
pom.xml X
pom.xml
     oject>
         <modelVersion>4.0.0</modelVersion>
         <groupId>com.example</groupId>
         <artifactId>my-junit-project</artifactId>
         <version>1.0</version>
         <name>My JUnit Project</name>
         properties>
             <maven.compiler.source>11</maven.compiler.source>
             <maven.compiler.target>11</maven.compiler.target>
             <junit.version>5.8.2</junit.version>
             <mockito.version>4.5.1</mockito.version>
                 <groupId>org.junit.jupiter</groupId>
                 <artifactId>junit-jupiter-api</artifactId>
                 <version>${junit.version}</version>
                 <scope>test</scope>
             </dependency>
             <dependency>
                 <groupId>org.junit.jupiter</groupId>
                 <artifactId>junit-jupiter-engine</artifactId>
                 <version>${junit.version}</version>
                 <scope>test</scope>
```

```
INFO]
[INFO]
[INFO]
[INFO] Running com.example.CalculatorTest
[INFO]
     Tests run: 3, Failures: 0, Errors: 0, Skipped: 0, Time elapsed: 0.872 s - in com.example.CalculatorTest
[INFO]
[INFO]
     Results:
INFO
[INFO] Tests run: 3, Failures: 0, Errors: 0, Skipped: 0
[INFO]
[INFO]
[INFO] BUILD SUCCESS
[INFO] ------
[INFO] Total time: 11.350 s
[INFO] Finished at: 2025-06-28T08:23:54+05:30
PS C:\Users\jutur\Downloads\my-junit-project> [
```

7. Exercise 2: Verifying Interactions

Setup:



MyService.java

External Api. java

MyServiceTest.java

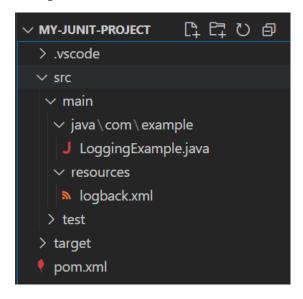
```
J MyServiceTest.java 

X

                                                         J ExternalApi.java
src > test > java > com > example > 🔳 MyServiceTest.java > 😭 MyServiceTest
       public class MyServiceTest {
           @Test
 30
           public void testVerifyProcessDataWithSpecificArgument() {
               ExternalApi mockApi = Mockito.mock(ExternalApi.class);
               when(mockApi.processData(anyString())).thenReturn("Processed Data");
 34
               MyService service = new MyService(mockApi);
               String result = service.transformData(input:"test input");
               // Verify the method was called with the exact transformed argument
               verify(mockApi).processData(input:"TEST INPUT");
               assertEquals("Processed Data", result);
           @Test
           public void testVerifyNumberOfInteractions() {
 44
               ExternalApi mockApi = Mockito.mock(ExternalApi.class);
               MyService service = new MyService(mockApi);
               service.fetchData();
               service.fetchData();
               // Verify getData() was called exactly 2 times
               verify(mockApi, times(2)).getData();
 54
               verify(mockApi, never()).processData(anyString());
 57
```

8. Exercise 1: Logging Error Messages and Warning Levels

Setup:



LoggingExample.java

logback.xml

pom.xml

```
X
             J LoggingExample.java
pom.xml
                                   logback.xml
pom.xml
     oject>
         <modelVersion>4.0.0</modelVersion>
         <groupId>com.example
         <artifactId>logging-demo</artifactId>
         <version>1.0</version>
         <dependencies>
             <!-- SLF4J API -->
 9
             <dependency>
                <groupId>org.slf4j</groupId>
10
                <artifactId>slf4j-api</artifactId>
11
                <version>1.7.30
12
13
             </dependency>
14
             <!-- Logback Implementation -->
15
             <dependency>
16
17
                <groupId>ch.qos.logback
                <artifactId>logback-classic</artifactId>
18
                <version>1.2.3
19
20
             </dependency>
         </dependencies>
21
     22
```

```
PS C:\Users\jutur\Downloads\my-junit-project> & 'C:\Program Files\Java\jdk-24\bin\java.exe' '@C:\Users\jutur\Ap
pData\Local\Temp\cp_2i1xjth2os5033orpb61tws3j.argfile' 'com.example.LoggingExample'

08:54:07 [main] ERROR com.example.LoggingExample - This is an error message

08:54:07 [main] WARN com.example.LoggingExample - This is a warning message

08:54:07 [main] INFO com.example.LoggingExample - This is an info message

PS C:\Users\jutur\Downloads\my-junit-project>
```