**Exercise 5: Mocking Multiple Return Values**

You need to test a service that calls a method multiple times with different return values

**Service.java :-**

package org.example1;  
  
public class Service {  
  
 private final Repository repository;  
  
 public Service(Repository repository) {  
 this.repository = repository;  
 }  
  
 public String processData() {  
 String data = repository.getData();  
 return "Processed " + data;  
 }  
}

**Repository.java :-**

package org.example1;  
  
public interface Repository {  
 String getData();  
}

package org.example1;  
  
import org.junit.jupiter.api.Test;  
import static org.mockito.Mockito.\*;  
import static org.junit.jupiter.api.Assertions.\*;  
  
public class MultiReturnServiceTest {  
  
 @Test  
 public void testServiceWithMultipleReturnValues() {  
 // Step 1: Create mock  
 Repository mockRepository = *mock*(Repository.class);  
  
 // Step 2: Stub multiple return values  
 *when*(mockRepository.getData())  
 .thenReturn("First Mock Data")  
 .thenReturn("Second Mock Data");  
  
 // Step 3: Inject mock into service  
 Service service = new Service(mockRepository);  
  
 // Call method twice  
 String firstResult = service.processData();  
 String secondResult = service.processData();  
  
 // Step 4: Assertions  
 *assertEquals*("Processed First Mock Data", firstResult);  
 *assertEquals*("Processed Second Mock Data", secondResult);  
  
 // Optional: verify method was called twice  
 *verify*(mockRepository, *times*(2)).getData();  
 }  
}

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 <dependency>  
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 <!-- Mockito -->  
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**Output :-**

