# Mockito Exercises

## Exercise 1: Mocking and Stubbing

Write a test case using Mockito to:  
- Create a mock object of a service class  
- Stub a method to return a specific value  
- Verify that the method was called

import org.junit.jupiter.api.Test;  
import org.mockito.Mockito;  
  
import static org.mockito.Mockito.\*;  
import static org.junit.jupiter.api.Assertions.\*;  
  
class UserServiceTest {  
  
 @Test  
 void testGetUserName() {  
 // Create mock object  
 UserRepository mockRepo = mock(UserRepository.class);  
  
 // Stub method  
 when(mockRepo.getUserName(1)).thenReturn("John Doe");  
  
 // Use mock in service  
 UserService service = new UserService(mockRepo);  
 String name = service.getUserName(1);  
  
 // Verify and Assert  
 assertEquals("John Doe", name);  
 verify(mockRepo).getUserName(1);  
 }  
}  
  
class UserService {  
 private final UserRepository repo;  
  
 UserService(UserRepository repo) {  
 this.repo = repo;  
 }  
  
 String getUserName(int id) {  
 return repo.getUserName(id);  
 }  
}  
  
interface UserRepository {  
 String getUserName(int id);  
}