**PROGRAM:**

**INTERFERRENCE:**

package org.example;  
  
public interface ExternalApi {  
 String getData();  
}

**MYSERVICE CLASS:**

package org.example;  
  
public class MyService {  
 private ExternalApi api;  
 public MyService(ExternalApi api){  
 this.api=api;  
 }  
 public String fetchdata(){  
 return api.getData();  
 }  
}

**MYSERVICETEST CLASS:**

package org.example;  
  
import org.junit.jupiter.api.Test;  
  
import static org.junit.jupiter.api.Assertions.\*;  
import static org.mockito.Mockito.*mock*;  
import static org.mockito.Mockito.*when*;  
  
public class MyServiceTest {  
 @Test  
 public void testExternalApi(){  
 ExternalApi mockApi=*mock*(ExternalApi.class);  
 MyService service=new MyService(mockApi);  
 String result=service.fetchdata();  
 *when*(mockApi.getData()).thenReturn("Mock data");  
 System.*out*.println("Result for "+result);  
 *assertEquals*("Mock data",result);  
 }  
}

**OUTPUT:**

