

# UNIT TESTS WITH KOIN

## Step 1: Add the gradle dependencies

```
// File: app->build.gradle

// General Dependencies
implementation 'org.koin:koin-androidx-scope:2.1.5'
implementation 'org.koin:koin-androidx-viewmodel:2.1.5'
implementation 'org.koin:koin-androidx-ext:2.1.5'

// Tests
testImplementation 'org.koin:koin-test:2.1.5'
```

## Step 2: Create a base class

```
open class KoinUnitTest : KoinTest {  
  
    private val fakeRepositoryModule = module{ ... }  
  
    @get:Rule  
    val koinTestRule = KoinTestRule.create {  
        androidLogger(Level.ERROR)  
        androidContext(Mockito.mock(Context::class.java))  
        modules(fakeRepositoryModule, usecaseModule)  
    }  
}
```

## Step 3: Write the unit test

```
class PopularMoviesUseCaseTest : KoinUnitTest() {  
  
    @Test  
    fun `popularMoviesUseCase using the correct repository`() {  
        // given  
        val popularUseCaseTest by inject<PopularMoviesUseCase>()  
  
        // when  
        val repository = popularUseCaseTest.repository  
  
        // then  
        Truth.assertThat(repository).isInstanceOf(  
            ApiRepositoryImpl::class.java  
        )  
    }  
}
```

# CODE EXAMPLE

Here