

1. Introduction in test automation

Gradle settings

```
buildscript {  
    repositories {  
        jcenter {  
            url "http://jcenter.bintray.com/"  
        }  
    }  
}  
  
allprojects {  
    repositories {  
        jcenter {  
            url "http://jcenter.bintray.com/"  
        }  
    }  
}
```

Gradle settings

```
dependencies {
    testCompile group: 'junit', name: 'junit', version: '4.11'
    // https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-java
    compile group: 'org.seleniumhq.selenium', name: 'selenium-java', version: '2.53.1'
    // https://mvnrepository.com/artifact/org.seleniumhq.selenium/selenium-chrome-driver
    compile group: 'org.seleniumhq.selenium', name: 'selenium-chrome-driver', version: '3.3.1'
}
```

Gradle Settings

```
test {  
    testLogging {  
        // Make sure output from  
        // standard out or error is shown  
        // in Gradle output.  
        showStandardStreams = true  
    }  
  
}  
  
tasks.withType(Test) {  
    testLogging {  
        events 'started', 'passed'  
    }  
}
```

jUnit Annotation

```
@BeforeClass  
public static void createAndStartService() throws IOException {  
    service = new ChromeDriverService.Builder()  
        .usingDriverExecutable(new File("\\\\chromedriver.exe"))  
        .usingAnyFreePort()  
        .build();  
    service.start();  
}
```

jUnit Annotation

```
@Before  
public void setUp() throws Exception {  
    driver = new ChromeDriver(service);  
    driver.manage().timeouts().implicitlyWait(90, TimeUnit.SECONDS);  
    driver.manage().window().maximize();  
}
```

jUnit Annotation

```
@Test  
public void openGoogle() throws Exception {  
    driver.get("http://google.com.ua");  
    driver.findElement(By.id("id")).click();  
  
    driver.findElement(By.xpath(".//*[@@id='root']/form/input[2]")) .sendKeys("d  
adkhb");  
}
```

jUnit Annotation

```
@After  
public void closeDriver() throws Exception{  
    driver.close();  
}
```

jUnit Annotation

```
@AfterClass  
public void result() throws Exception{  
    System.out.println("Some results");  
}
```