

Last updated: Aug 12, 2020

# Selenium Java Training - Session 26 - Extent Reports and POI API

## Extent Reports

1. Selenium by default don't have any reporting features - [View Code](#)
2. Once we configure TestNG, we get TestNG reports under test-output > index.html - [View code](#)
3. When we run the Tests using Maven command - mvn test, we will get target > surefire-reports > index.html
4. For a good looking reports, we have to go for popular Extent Reports
  1. Create a Maven Project
  2. Configure the Project with Selenium, WebDriverManager, TestNG and ExtentReports
5. Create a Test method and write some sample automation code - [View code](#)
6. Create a BeforeMethod configuration method and do the below:
  1. Create an object for ExtentSparkReporter and provide the path in its constructor
    1. String path = System.getProperty("user.dir")+"\\reports\\index.html";
    2. ExtentSparkReporter reporter = new ExtentSparkReporter(path);
    3. reporter.config().setReportName("Omayo Test Results");
    4. reporter.config().setDocumentTitle("A Test Results");
    5. extent = new ExtentReports();
    6. extent.attachReporter(reporter);
    7. extent.setSystemInfo("Operating System","Windows 10");
    8. extent.setSystemInfo("Tested By","Arun Motoori");
  2. Make ExtentReports class global and write the below link before the test method:
    1. ExtentTest eTest = extent.createTest("Test One Started");
    2. WebDriverManager.chromedriver().setup();
    3. WebDriver driver = new ChromeDriver();
    4. eTest.info("Chrome Browser Launched");
    5. driver.get("http://omayo.blogspot.com/");
    6. eTest.info("Navigated to Application");
    7. eTest.fail("Test got failed"); - Demonstrate separately
    8. extent.flush();

## POI API

1. We can use this API for retrieving the data from the Excel files to Java program
2. Create a Maven Project
3. Add dependency tags for poi and poi-ooxml
4. Create an excel file with dummy test data - [View here](#)
5. Finding the number of sheets - [View here](#)
6. Retrieving the data of the required Test say 'Register' and print it - [view here](#)
7. Do the below changes:
  1. Adding the above retrieved data of the required Test into an ArrayList. instead of printing

2. Move the code in to a reusable method and remove hardcoded values
3. Return the ArrayList
4. Access this method from a Test method in another class
5. Also make this reusable method to access numeric values
6. [View here](#)

Save Copy to Evernote

By,  
Arun Motoori

[Save Copy to Evernote](#)

[Terms of Service](#)

[Privacy Policy](#)

[Report Spam](#)