

## Cucumber & BDD (Continued)

- Cucumber **Comments**
    - In feature files, comments can be provided any where by starting the statements with # symbol
    - Comments are for documentation purpose and won't be executed
    - Example: Go to 'search.feature' file and provide a comment stating #This is how Background keyword can be used in the feature files
  - Using **monochrome** attribute in Cucumber options of Runner class - Example: monochrome=true
    - Uninstall ANSI Escape plugin
    - Run the scripts and see how the results are displayed in console
    - Now add the attribute monochrome as true into the cucumber options
  - Using **pretty** in Cucumber options of Runner class - Example: plugin={"pretty"}
    - Prints the Gherkin source with additional colors and stack traces for errors in the Eclipse Output console.
  - **Hooks**
    - Similar to TestNG annotations, Cucumber provides only two options known as Hooks
    - **@Before** and **@After** are the two Hooks options in Cucumber
      - Demonstrate Hooks by creating setup and tearDown methods for opening and closing the Browsers in selenium (Example: omayologin scenario)
      - Will be executed before and after all the scenarios in all the features files.
    - **Tagged Hooks**
      - Will be executed only before and after the scenarios in the feature files which are specified with specific tags
      - @Before("@login") and @After("@login") - Demonstrate here
  - **Assertions:** Create a feature file for Logging into <http://tutorialsninja.com/demo> and implement the steps
    - Create a feature file say login.feature - [View](#)
    - Create step definitions for the above feature file - [view](#)
      - Understanding Assertions - Example - Assert.assertNotNull("User has not logged in", element);
    - Navigating to step definition methods of the steps in feature files
      - Select the step in feature file, right click and select 'Find Step' option
  - Cucumber **Data Tables** for handling multiple data in a step
    - The purpose of using Data Tables is to fill long forms at a go
    - Create a sample feature file for registration in <http://tutorialsninja.com/demo> with the required details
    - Create a feature file say register.feature - [View](#)
    - Create step definitions for the above feature file - [view](#)
      - DataTable is the predefined class of Cucumber
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