Lets use third party Tools with Selenium
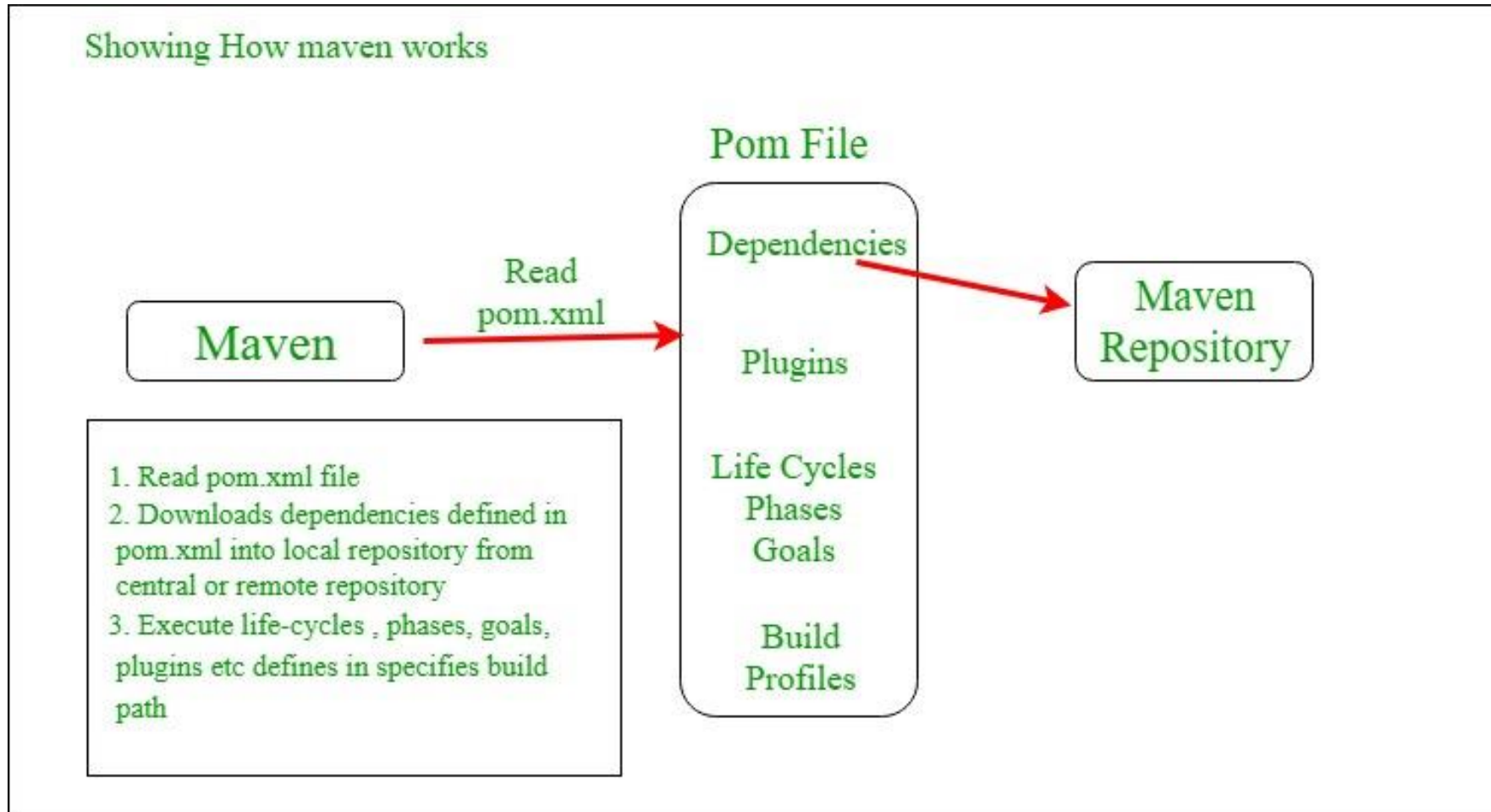
Maven build tool Introduction

Maven – Build Tool

❖ Maven is a powerful *project management tool* that is based on POM (project object model).

❖ It is used for projects build, dependency and documentation.

Maven – Lifecycle

Demo – Install Maven plugin from Eclipse Market Place

Selenium with log4j

Log4J – Configuration Steps

❖ Download and add Log 4J Jar File or add POM Dependency

❖ add to project external library

❖ Create .Properties file under Project path

❖ Add Logging configurations

Demo - Log4J – Logging

```
PropertyConfigurator.configure("log4j.properties");

Logger log = Logger.getLogger("devpinoyLogger");

log.debug("opening webiste");
```

Read excel using Apache POI library

Read excel using Apache POI library

```
//Create an object of File class to open xlsx file

File objfile = new File("C:\\Users\\Admin\\Desktop\\MyExcel\\TestData.xlsx");

//Create an object of FileInputStream class to read excel file

FileInputStream fis = new FileInputStream(objfile);

//Read sheet inside the workbook by its name

Workbook excelbook = new XSSFWorkbook(fis);

org.apache.poi.ss.usermodel.Sheet excelsheet = excelbook.getSheet("Sheet1");

//Read row inside the workbook by its name

Row row = excelsheet.getRow(1);

//print cell values in a row

System.out.println(row.getCell(1).toString());
```

Sikuli – Desk Top Automation Tool to download the files with selenium

Sikuli – Desk Top Automation Tool to download the files with selenium

```
org.sikuli.script.Screen s = new org.sikuli.script.Screen();
Pattern fileInputTextBox = new
Pattern("C:\\Users\\Admin\\Desktop\\SikuliDemo\\FileTextBox.PNG");
Pattern OpenButton = new
Pattern("C:\\Users\\Admin\\Desktop\\SikuliDemo\\OpenButton.PNG");

s.wait(fileInputTextBox, 20);

s.type(fileInputTextBox, "C:\\Users\\Admin\\Desktop\\SikuliDemo\\MyPhoto.PNG");
s.wait(OpenButton, 10);
s.click(OpenButton);
```

Selenium and Java Property Configurations

Selenium and Java Property Configurations

```java
WebDriver driver;

System.setProperty("webdriver.chrome.driver",
"C:\\Users\\Admin\\Desktop\\Selenium_Setup\\Driver\\chromedriver_win32\\chromedriver.exe");

driver = new ChromeDriver();

File file = new File("D:\\MyLearning\\RadicalFirstSeleniumProject\\App.properties");

FileInputStream fileInput = new FileInputStream(file);

Properties prop = new Properties();
prop.load(fileInput);
driver.get(prop.getProperty("URL"));
```