**Now Execute the TC:**

Now we got all the information needed to execute a test case. So we can start with test execution. The following method executeTC() from DriverScript.ajva will do the execution.

**public** **static** **void** executeTC(List<String> originalkeywords, Set<String> actionclass, Map<String, String> keywordvsac) **throws** ClassNotFoundException, NoSuchMethodException, SecurityException, IllegalAccessException, IllegalArgumentException, InvocationTargetException, InstantiationException, IOException, InterruptedException {

System.*setProperty*("webdriver.gecko.driver", "C:\\BrowserDrivers\\geckodriver.exe");

WebDriver driver = **new** FirefoxDriver();

**for**(String str : originalkeywords) {

String keyword = str;

String actioncl = keywordvsac.get(keyword);

Class<?> cls = Class.*forName*("actions."+actioncl);

Method[] methodcall = cls.getDeclaredMethods();

**for**(Method m : methodcall) {

**if**(keyword.equalsIgnoreCase(m.getName()))

{

Method mc = cls.getDeclaredMethod(keyword);

Constructor constructor = cls.getConstructor(WebDriver.**class**);

mc.invoke(constructor.newInstance(driver));

}

}

}

}

We use java reflection classes to do this.

Using java reflections, we find the method corresponding to a particular keyword in the corresponding action class and we invoke that method. Since we loop it for all the keywords, all the methods will be executed.

Now all our files are ready and if we execute the file DriverScript.java it will execute all test cases with run mode as “yes”.