Testing in DevOps

DOu – Certified Tester in DevOps (CTD)
Exercise Solutions

HO-2.6.1(HO-0)
Exercise - Demonstrate how to Integrate a behavior-driven development tool into y DevOps pipeline

- Add BDD stage in jenkins pipeline and trigger the jenkins build.

HO-2.6.1(HO-0)
Exercise Solution - Demonstrate how to Integrate a behavior-driven development tool into y DevOps pipeline

- Make sure you are already logged in Jenkins and be on Dashboard UI
- Add BDD Test stage in Jenkinsfile.txt on local machine:
    - Clean(already added)
    - PMD(already added)
    - Compile(already added)
    - Code Analysis(already code)
    - Unit Test(already added)
    - Code Coverage(already added)
    - Install(already added)
    - Launch Tomcat Server(already added)
    - War deployed on Tomcat Server(already added)
    - System Test(already added)
    - **BDD Test**

HO-2.6.1(HO-0)
Add Stage – BDD Test

1. **BDD Test** defines a stage that appears on the Jenkins UI

2. **sh** runs the Maven command to run the bdd test

```
        //Code starts for stage BDD Test
        stage('BDD Test') {                                           (1)
    steps {
        //Change git url below as per your forked github repository URL
        git url: 'https://github.com/umangsaltuniv/EMSystemTests_BDD.git'
        sh 'mvn -Dtest=TestRunner test'                              (2)
    }
  }
        //Code ends for stage BDD Test
```

HO-2.6.1(HO-0)
Exercise Solution - Demonstrate how to Integrate a behavior-driven development tool into y DevOps pipeline

- Saving Jenkinsfile.txt & Commit it on GitHub

- Running The Pipeline
  - Go to Jenkins Dashboard
  - Build will be triggered automatically because of webhook
  - Click Build no. link
  - Click Console Output link
  - Verify the bdd test will be passed and build results is successful