

## ExperimentNo.1.5

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**Branch:** MCA–CCD

**Semester:** III

**Subject Name:** DevOps Process Automation Lab

**UID:** 22MCC20027

**Section/Group:** MCD-1/A

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### 1. Aim/Overview of the practical:

- a) Create a Jenkins Freestyle Project which consists of Maven Build jobs.

**Note:** Trigger the builds of all the Maven 9 Goals.

### 2. Steps for practical: (a)

**Step 1 :** To create a Jenkins Freestyle Project that consists of Maven Build jobs. First create a **Maven Project** with the help of any IDE.

```
16
17 package org.springframework.samples.petclinic;
18
19 import org.springframework.boot.SpringApplication;
20 import org.springframework.boot.autoconfigure.SpringBootApplication;
21
22 /**
23  * PetClinic Spring Boot Application.
24  *
25  * @author Dave Syer
26  *
27  */
28 @SpringBootApplication
29 public class PetClinicApplication {
30
31     public static void main(String[] args) {
32         SpringApplication.run(PetClinicApplication.class, args);
33     }
34 }
```

**Step 2 :** Write main function code inside “App.java”.

**Step 3 :** Create a GitHub repository and push your code onto the GitHub.

**Step 4 :** After pushing your project on GitHub open Jenkins.

**Step 5 :** On Jenkins Dashboard click on “+” icon to create new **Freestyle Project**.

**Step 6 :** A new Window will appear give name to your Project and select Freestyle Project option and click **OK**.

**Step 7 :** A new Window will appear to add description and Git Repository URL and specify the branch name you want to build.

Git ?

Repositories ?

Repository URL ? ✕

Credentials ?

▼

**Step 8 :** After that in the **Build Steps** section select **Invoke top-level Maven targets** option and from the drop-down select maven version configuration and inside Goals field enter maven goals separated by space.

**Build Steps**

≡ **Invoke top-level Maven targets** ?

Maven Version

Goals

**Step 9 :** After setting up configuration click on **save** and **Build Now**.

**Step 10 :** You can see the result of your build by clicking on build number under Build history. Here you could see if the build succeeded or failed and can also see the output log.

 **Build #2 (Sep 18, 2023, 2:04:41 PM)**



No changes.



Started by user [Vignesh](#)



**Revision:** 915bbb672778969f8d10357bec3694c01bb1137c

**Repository:** <https://github.com/vignesh-vp/SpringPetClinic>

- [refs/remotes/origin/main](#)