**Project Title: Multistage Pipeline**

**Project objective:**

Use Jenkins to set up a multistage pipeline that will push, compile, and test a given program with Maven.

**Background of the problem statement:**

You’re a DevOps engineer at BookMyEvents, a web- and mobile-based app development company that helps users buy tickets for various events in their cities. The company is moving from a call center-based customer support to a chat and email-based customer support system. The backend developers are developing a Maven project for the new ticketing system which generates a random ticket number for each registered complaint. You’re required to set up a Jenkins pipeline to compile and test the ticket generator. The job has to read the code and the Jenkinsfile from the SCM and then compile and test the code.

**You must use the following:**

* **Java:** To create a program for generating the random ticket numbers
* **Git:** As a version control system for the program
* **Jenkins:** To create the multistage pipeline
* **Spring boot:** To create the project structure for the ticket generator
* **Maven**: To compile the program

**Following requirements should be met:**

* The pipeline should be defined as a Jenkinsfile and committed to the SCM
* The pipeline should compile and test the code
* The program should generate a ticket number higher than 1000