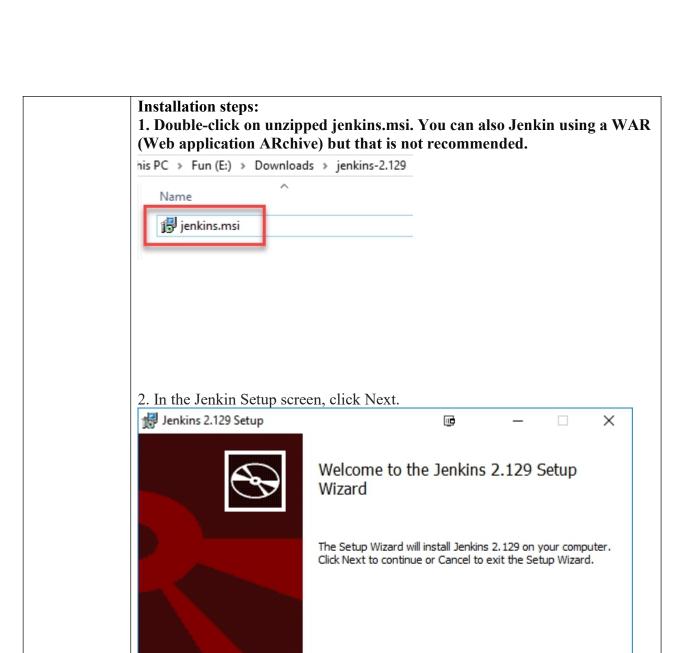


Vidyalankar Institute of Technology Accredited A+ by NAAC Vidyalankar Institute of Technology Accredited A+ by NAAC DEPARTMENT OF INFORMATION TECHNOLOGY Experiment No6

Semester	Semester VIII	
Subject	DevOps Lab	
Subject Professor In-	Prof. Yash Shah	
charge		
Laboratory	L11B	
Student Name	Ashwini Jadhav	
Roll Number	17101B0038	
Grade and Subject		
Teacher's Signature		
_		

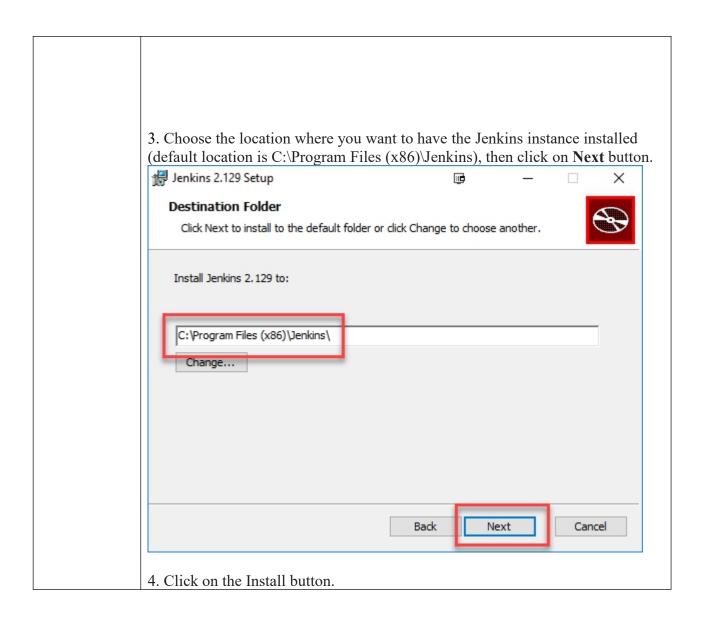
Experiment Number	6	
Experiment Title	To carry out pipelining through Jenkins	
Resources / Apparatus Required	Hardware: Compatible Computer System	Java Development Kit (JDK) v.11
Objectives	Explore and implement pipelines and GUI pipelines on Jenkins	
Theory	What is jenkins? Jenkins is an open source Continuous Integration server capable of orchestrating a chain of actions that help to achieve the Continuous Integration process (and not only) in an automated fashion. Jenkins is a widely used application around the world that has around 300k installations and growing day by day. Need of Jenkins: The reason Jenkins became so popular is that of its monitoring of repeated tasks which arise during the development of a project. For example, if your team is developing a project, Jenkins will continuously test your project builds and show you the errors in early stages of your development. By using Jenkins, software companies can accelerate their software development process, as Jenkins can automate build and test at a rapid rate. Jenkins supports the complete development lifecycle of software from building, testing, documenting the software, deploying and other stages of a software development lifecycle.	

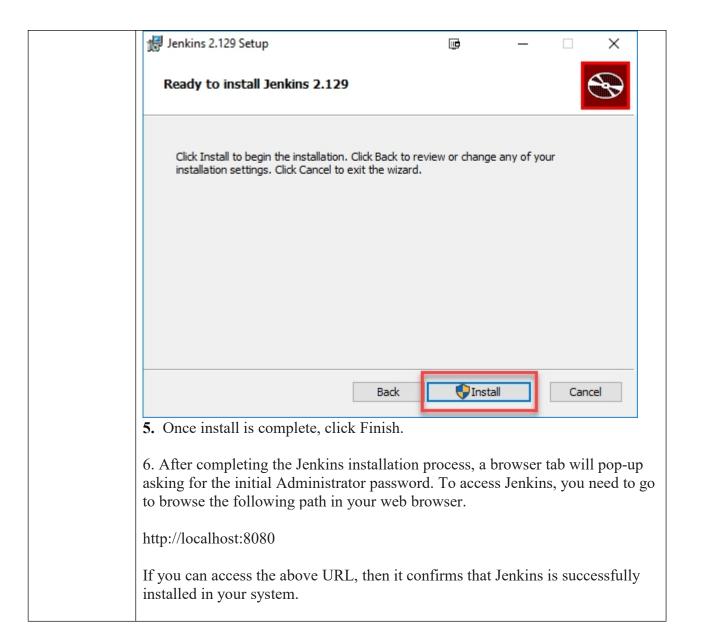


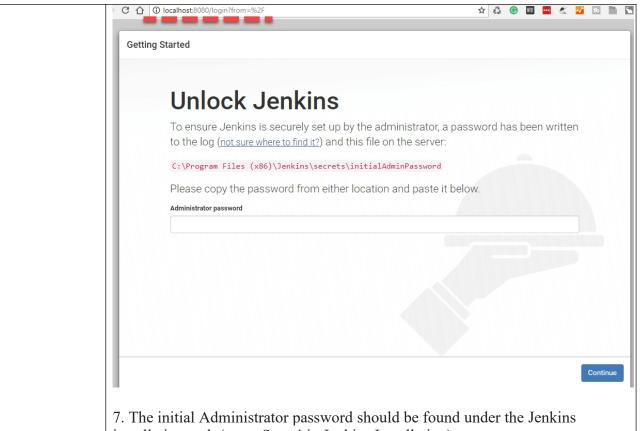
<u>B</u>ack

<u>N</u>ext

Cancel



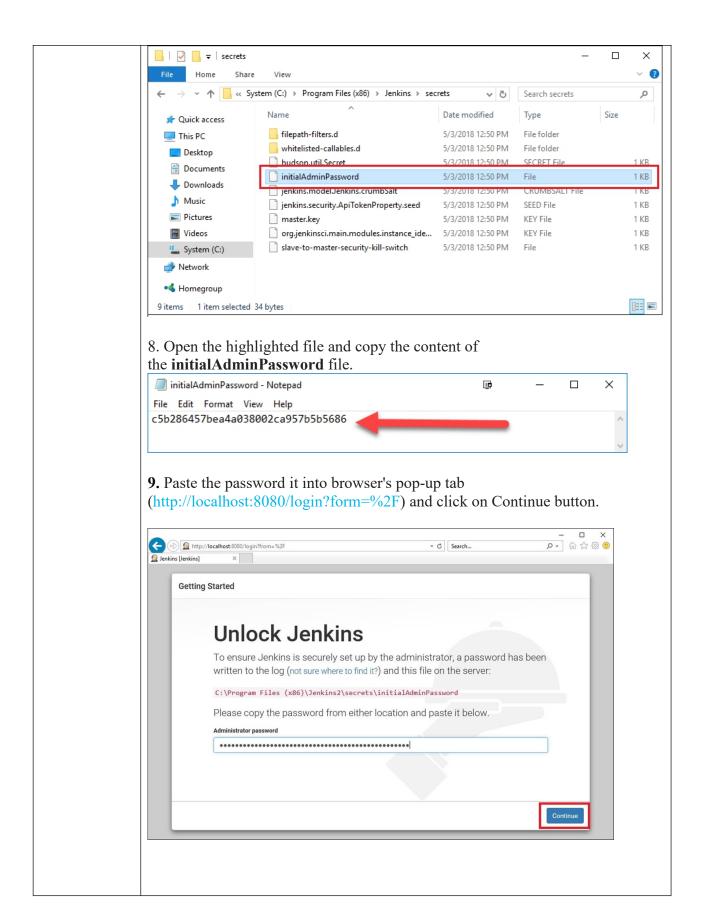




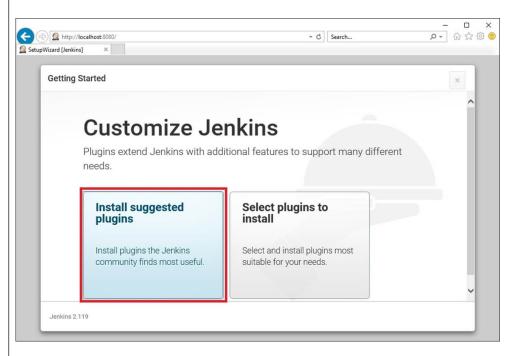
installation path (set at Step 4 in Jenkins Installation).

For default installation location to C:\Program Files (x86)\Jenkins, a file called initialAdminPassword can be found under C:\Program Files (x86)\Jenkins\secrets.

However, If a custom path for Jenkins installation was selected, then you should check that location for initialAdminPassword file.



10. Click on the "Install suggested plugins button" so Jenkins will retrieve and install the essential plugins



11. Jenkins will start to download and install all the necessary plugins needed to create new Jenkins Jobs.

Output

Implementation of the following pipeline:

