Q1. What is Jenkins?

An open source automation server which enables developers around the world to reliably build, test, and deploy their software .

It is used for continuous integration and continuous deployment.

It is based on java .

**Q2. What is Jenkins used for?**

Continuous integration .

Continuous deployment .

Continuous monitoring.  
**Q3. Which architecture is recommended for a scalable Jenkins environment?**

Distributed Builds Architecture.

**Q4. How to add a user in Jenkins?**

Log in to Jenkins using the existing administrative user account credentials.

Navigate to the “Manage Jenkins -> Manage Users” page.

Select the “Create User” option.

Enter a username, password, name and email address to create a new user. ...

Save the new account.

**Q5. What is Jenkins Pipeline?**

Jenkins Pipeline is a suite of plugins which supports implementing and integrating continuous delivery pipelines into Jenkins.

**Q6. What is Jenkinsfile?**

Jenkinsfile is a text file that contains the definition of a Jenkins Pipeline and is checked into source control

**Q7. What is continuous integration in Jenkins?**

**Continuous Integration** is a process of integrating code changes from multiple developers in a single project many times. The software is tested immediately after a code commit. With each code commit, code is built and tested. If the test is passed, the build is tested for deployment. If the deployment is successful, the code is pushed to production.

This commit, build, test, and deploy is a continuous process

**Q8. How to change port for Jenkins?**

Command :

 Java -jar Jenkins.war –httpPort=9090  
**Q9. What are the software prerequisites that must be met before Jenkins is installed?**

Since version 2.54, Jenkins requires an installation of the **Java Development Kit (JDK)**. JAVA\_HOME should also be configured prior to installation. Version 1.8 of the JDK is the minimum that Jenkins will support.

**Q10. How to configure and use third-party tools in Jenkins?**

We can configure and use third party tools by

Manage plugins -> Advanced -> install the tools