Q1. What is Jenkins?

Jenkins is an open-source Automation server. Here we can automate the whole process of software development process from coding, building, testing, and till deployment. It helps in Continuous Integration/Continuous Deployment(CI/CD).

Q2. What is Jenkins used for?

It is used to Implement CI/CD workflows called pipelines.

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

Distributed builds architecture.

Q4. How to add a user in Jenkins?

Login to Jenkins » Manage Jenkins » Create User » Add Username, password, name and email address » Save

Q5. What is Jenkins Pipeline?

It is a combination of Plugins which we can use for implementing and integrating CD Pipelines into Jenkins. Jobs like Build » Deploy » Test » Release

Q6. What is Jenkinsfile?

It is a text file that contains the definitions of the Jenkins Pipeline.

Q7. What is continuous integration in Jenkins?

It is a process that in which all the developers work is integrated and resulting artifacts are automatically created and tested. The whole process of building to deployment is called as Continuous Integration.

Q8. How to change port for Jenkins?

In the jenkins.xml configuration file search for httpPort=8080 and replace with new port number that we wish.

Q9. What are the software prerequisites that must be met before Jenkins is installed?

We have to have Java version either 8 or 11 installed in our system.

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

Jenkins » Manage Jenkins » Advanced » Install the Plugin from there