1. You are trying to push a new image to a registry. You save the new image and commit it. You want to push an image to a registry that is on a host named "registry-host" and that is listening on port 5000. What command can you use to accomplish this?

-🡪 docker tag rhel-httpd registry-host:5000/myadmin/rhel-httpd && docker push registry-host:5000/myadmin/rhel-httpd

2. You are using Docker and want to persist your Jenkins state so that you can begin to use it in your development environment. Which command can you use to persist your Jenkins data?

🡪docker volume create [YOUR\_VOLUME]

4. You are writing pipelines-as-code in your Jenkins environment using the Git plugin and want to get some code from a Git repository. What example script can you use to accomplish this?

Shape

Description automatically generated

5. You manage a single instance of Jenkins on a server with an Open user permission type. Your instance contains multiple users who belong to specific groups. A member of one group accidentally altered another group's job and caused operational issues. What could you have done to prevent this from happening?

* Use Project-based matrix authorization

6. What are Jenkins plugins packaged as?

🡪 Self-contained .hpi files

7. You have teams working on different projects in a Jenkins instance. You create multiple users to eliminate the possibility of someone from one team messing up a separate team's job. All of the users that can log on are still seeing all of the jobs. What strategy in "Configure Global Security section" will assure each team can only view their specific job?

* "Project-based matrix authorization strategy", and configure permissions for your job by selecting "enable project-based security"

8. You try to install a plugin automatically with the Update Center but it results in a proxy configuration error. You do not have access to the proxy settings but you need a specific plugin. What can you do to install your plugin?

🡪 Download your plugin as an .hpi file and place it in the plugins folder of your Jenkins installation.

9. What command creates a sub shell so that changes to the Kubernetes context, namespace, or environment remain local to the shell?

🡪 jx shell

11. You are using the Groovy plugin within Jenkins and want to create a user with login "username1" and "password1234" within your own user database. What shell command can you use in the CLI to accomplish this?

🡪 echo 'jenkins.model.Jenkins.instance.securityRealm.createAccount(""username1"", ""password1234"")' |  
java -jar jenkins-cli.jar -s http://localhost/ groovy =

12. You are using declarative pipelines in Jenkins and you plan to build a simple continuous delivery pipeline. However, some of your requirements may be too complex and you need a way to run scripted pipelines. What declarative pipeline block could you use to accomplish this?

🡪 script

13. As a part of your build, you want your containers inspected by Clair. Which command would you use to start Clair?

🡪 docker-compose up -d clair

14. From where can plugins be automatically downloaded?

🡪 The Update Center

15. What is the function of the jx create quickstart command when building CI/CD jobs with Jenkins X?

🡪 Creates an application and imports the generated code into Git and Jenkins for CI/CD

17. You use Anchore with your Docker images and need to manage and inspect images, policies, subscriptions, and registries. What Anchore feature would help with your needs?

🡪 The Anchore CLI