**JIRA questions**

1. **What is Jira?**

JIRA is a software tool that was developed by the software company, Atlassian. It is used mainly for bug and issue tracking and project management.

**2. Explain the workflow of JIRA.**

The important phases in the workflow are:

* Created/Open
* Work in Progress (WIP)
* Completed/Closed

**3. What is an issue in JIRA?** [https://www.knowledgehut.com/interview-questions/jira - collapse-beginner-359](https://www.knowledgehut.com/interview-questions/jira%20-%20collapse-beginner-359)

An issue can be:

* A Software bug
* The Project Task
* The Form for Leave-request
* A Help-desk Ticket

**4. Why is JIRA used? /What are the benefits of using JIRA?**

JIRA is used as a project tracking tool with benefits like:

* Ability to track [project progress](https://www.simplilearn.com/what-is-a-project-article) from time to time
* Use cases include project management, bug tracking, feature implementation
* Easily customizable workflow
* Platform-independent
* Email notifications
* Scrum board and kanban board

**5. Name some control programs with which JIRA integrates.**

Such control programs are CVS, Subversion, Git, ClearCase, Mercurial, Visual SourceSafe, and Perforce

**6. Can you access JIRA cloud site via mobile device?**

Yes, one can access JIRA cloud site via mobile device by using the URL of cloud site in the mobile web browser.

**7. What is the use of JIRA dashboard?**

It is the first display we notice upon login to the Jira. The dashboard shows tools and applications that help users to track progress of a project. It also includes important information like user’s activity info, issues assigned, etc. Admin can change the view and items displayed on the dashboard.

### 8. Name the agile methodologies supported by JIRA.

* [Scrum](https://www.simplilearn.com/tutorials/agile-scrum-tutorial/what-is-scrum) – in this [agile methodology,](https://www.simplilearn.com/benefits-of-agile-methodology-article) the development team works iteratively to complete a project. Each stint or iteration has certain set scope and timeline. Scrum is best suited for software development.
* Kanban – this method achieves just-in-time delivery by visualizing the workflow and tasks currently in progress. Kanban is best suited for operation teams.

### 9. What are the issue types in Scrum project?

In JIRA, an individual unit of work is referred to as issue. The types include:

* Story – single feature that needs to be implemented
* Epic – a big user story
* Bug – problem that needs to be fixed
* Task – generic task that is not a bug or story

**10.What are the key components of Jira?**

* Issue
* Project
* Dashboard
* Workflow
* Report
* Board

**11.How do you create an issue in Jira?**

* Log in to Jira.
* Click on the "Create" button in the top navigation bar.
* Select the appropriate issue type.
* Fill in the required details and any additional information.
* Click "Create" to create the issue.

**12.What are the different types of issue linking in Jira?**

* Blocks
* Relates to
* Duplicate
* Clones

**13. How do you assign an issue to a specific user in Jira?**

To assign an issue to a user in Jira, you can either:

* Use the "Assignee" field when creating or editing an issue.
* Drag and drop the issue to a user's name on the board.

**14.What are the key features of Jira?**

* Issue tracking and management
* Agile project management
* Customizable workflows
* Scrum and Kanban boards
* Reporting and analytics

**15.What are the different types of projects in Jira?**

* Software
* Business
* Service desk

**16.What is the difference between a Jira issue and a Jira project?**

A Jira issue represents a task, bug, or work item that needs to be tracked. It is a unit of work within a project. On the other hand, a Jira project is a collection of issues and their associated settings, such as workflows, boards, and permissions.

**17. explain jira workflow?**

The issue moves from one transition state to another state. The status is used to define the nature of the work that is completed by the tester.

In the JIRA workflow, the important phases that occur are given below:

* To Do
* In progress
* Finally done

**18.what Is event in jira?**

Event describes a status.

**19.types of events?**

* System event -generated by jira.
* Custom event-generated by user customizations

20.difference b/w jira vs bugzila

|  |  |
| --- | --- |
| **Jira** | **bugzila** |
| Developed by Atlassian | Mozilla |
| Real time tracking is available | Not available |
| License—commercial | Open source |
| Programming language-java | perl |

21. how to use jira for testcase management?

🡪jira software is not created for testcase management

🡪jira software is configure and support the testcase management in couple of ways.

22.sub task?

Further breakdown of a task is subtask.

23.what is time tracking in jira?

🡪time tracking lets your team record the time they spend working on issue. It is enabled by default in jira.

24.what is kanban board?

Kanban board is a agile project management tool designed to help visualize work and maximize efficiency.

**Git questions**

**1.What is Git?**

**Git** is a version control system that allows developers to track changes in their code.

**GitHub** is a web-based hosting service for git repositories.

1. **What are the benefits of version control system?**

A version control system helps track every little change made to an existing code base.

1. **What language is used in Git?**

Git uses ‘C’ language. GIT is fast, and ‘C’ language makes this possible by reducing the overhead of run times associated with high-level languages.

### 4. ****Mention the various Git repository hosting functions.****

* Git hub
* Git lab
* Bitbucket
* Git enterprise

### 5. ****What is a commit message?****

The command that is used to write a commit message is “**git commit -a**”.  
Now explain about -a flag by saying -a on the command line instructs git to commit the new content of all tracked files that have been modified. Also, mention you can use “**git add <file>**” before git commit -a if new files need to be committed for the first time.

**6.what is git repository?**

Repository in Git is a place where Git stores all the files. Git can store the files either on the local repository or on the remote repository.

### 7. ****How can you create a repository in Git?****

To create a repository, create a directory for the project if it does not exist, then run the command “**git init**”. By running this command .git directory will be created in the project directory.

8.

git checkout [branch name]- used to switch from one branch to another.

git checkout -b [branch name]- creates a new branch and also switches to it.

9.git hub, git lab all are same product ,but different implementation of git.

10.What is the purpose of the "git clone" command?

The **git clone** command is used to create a local copy of a remote repository. It copies all the files, directories, and commit history from the remote repository to your local machine, allowing you to work on the project locally.

11.How do you create a new branch in Git?

Git branch new-branch

12.git pull?

Pushing codes to remote to local repository.

13.git push -u origin main?

-u🡪push all the codes into the specific branch like main and master

### 14.  What is the command used to delete a branch?

* To delete a branch we can simply use the command git branch –d [head].
* To delete a branch locally, we can simply run the command: git branch -d <local\_branch\_name>
* To delete a branch remotely, run the command: git push origin --delete <remote\_branch\_name>

### 15. What differentiates between the commands git remote and git clone?

**git remote** command creates an entry in  **git config** that specifies a name for a particular URL. Whereas **git clone** creates a new git repository by copying an existing one located at the URL.

**16. what is branch ?**

It is separate version of code

**Jenkins**

**1.** **What is Jenkins?**

Jenkins can be thought of as a free and open-source automation tool that is used for continuous integration. It automates some of the software development processes, such as building, testing, and deployment.

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

Jenkins is used in the automation of some of the software development processes. With Jenkins, one can continuously test software projects so that developers can integrate the changes to them.

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

Go to Manage Jenkins

Click on Create User

Enter all the details

Select Create User

1. **What is Jenkins Pipeline?**

* Jenkins Pipeline, sometimes simply called Pipeline, is a set of plugins
* which supports the integration and use of continuous delivery pipelines in Jenkins.
* The continuous delivery pipeline is the process where automated builds, tests, and deployments are planned and arranged as one release workflow.

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

Continuous integration is the process in which all development work integration is done at the earliest and a code is continuously tested after a commit. This process allows one to discover bugs at an early stage and fix them

1. **What are the steps included in a Jenkins pipeline?**
2. Build
3. Test
4. Deploy

**7.** **advantages of using Jenkins.**

* We will get an automated build report every time a change is made to the source code.
* We will be able to achieve continuous integration with agile methodology principles.
* We can automate the maven release project with a few simple steps.
* Bugs can be easily tracked at an early development stage.

**8.** **What are the requirements for using Jenkins?**

* A source code repository like a Git repository

1. **How to integrate Git with Jenkins?**
2. Go to Manage Jenkins on the Jenkins dashboard, and then select Configure System
3. Choose Add GitHub Server in the GitHub section
4. Add the GitHub token as credentials, and Save
5. Open the Jenkins project
6. Tick off the GitHub project checkbox, and give the GitHub Repository path for the Project URL
7. Under Source Code Management, check the Git box, and in Repositories, give the GitHub Repository URL

**10.** **How to set up a Jenkins job?**

* We need a CVS or a subversion where our source code will reside.
* When Jenkins performs the builds, we will need the optional triggers.
* We need a build script like a Maven or Ant where the script is actually built.

**11.** **What is Jenkinsfile?**

A Jenkinsfile is essentially a text file containing the steps for running a Jenkins Pipeline and is registered into the source control repository of a project.

### 12.Name some of the SCM tools that are supported by Jenkins.

Some of the important SCM tools that are supported by Jenkins include:

* Git
* Subversion
* CVS

**Cucumber**

**1.what is cucumber**

**2.how its work?**

**3. Cucumber supports over a dozen different software platforms like** –

4.advantages of cucumber

5.dependencies of cucumber

6.what is feature?

7.example

8.what is feature file?

9.example of feature and feature file?

10.feature example

11.scenario example

12.what is background and example

13.gherkin keyowrds?

14.what is dry run=true? - false

15.feature—{}

16.glue? -{}

17.tag?-- {}

18.monochrome=true? - false

19.format?- false

20.strict? -false

21.what is default value of these?

Self intro

I am Sadhana, originally from Tamil Nadu. Currently, I am residing in Bangalore. I have a background in automation and manual testing with 2 years of experience. Unfortunately, due to the COVID-19 pandemic, the company I was working for faced financial difficulties and had to shut down. Following this, I took a break from my career due to personal reasons. I got married a year ago, and after some time, I decided to resume my career. I enrolled in an automation testing with Selenium course and successfully completed it last month. During the course, I had the opportunity to work on a real-time project. My short-term goal is to secure a position with a well-reputed company, and my long-term aspiration is to advance to a higher position within the field.