1) What is Jenkins pipeline?

Jenkins Pipeline is a powerful tool for implementing and automating CI/CD workflows,

2) What scripting language is Jenkins pipeline syntax based on?

The Jenkins Pipeline syntax is based on the Groovy programming language

3) what are the different ways to trigger pipeline ?

-Scheduled Runs: Pipelines can be scheduled to run at specific times or intervals.
-Webhooks: Webhooks allow external systems to notify the CI/CD system when specific events occur.
-Manual Triggers: Pipelines can be manually triggered by a user or team.

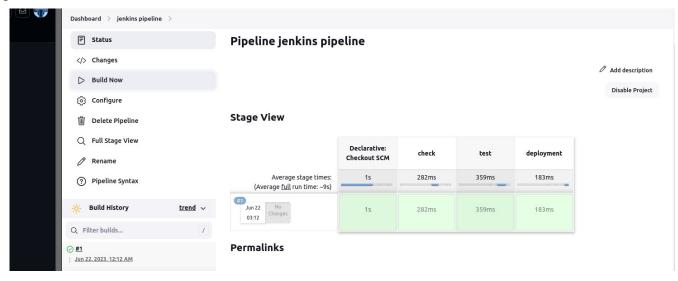4) what is different between parameter and jenkins env variable?

parameters in Jenkins are user-defined inputs that allow customization and configuration of job execution, while environment variables provide predefined or user-defined information about the Jenkins environment and can be accessed by Jenkins job or pipeline scripts.

5) what is organization folder job and what is used for ?
In Jenkins, an Organization Folder job is a special type of job used for organizing and managing a large number of related projects or repositories within an organizational structure.
By utilizing an Organization Folder job, you can streamline the management, automation, and monitoring of your projects .

6) Create jenkins pipeline for your repo and use script file (jenkinsfile) to write pipeline syntax, include parameter functions and env variable in it ?

7) Create another multibranch pipeline and filter branches to contain only (master , dev , test) ?

multibranch pipeline

<div align="right">

Disable Multibranch Pipeline

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Branches (3)

S	W	Name ↓	Last Success		Last Failure	Last Duration	
✓	☀	dev	2 min 23 sec	#1	N/A	9.4 sec	▷
✓	☀	main	2 min 23 sec	#1	N/A	7.7 sec	▷
✓	☀	test	2 min 23 sec	#1	N/A	7.7 sec	▷

Icon: S   M   L   Icon legend   🔊 Atom feed for all   🔊 Atom feed for failures   🔊 Atom feed for just latest builds

Credentials ?

fady-elia/******   ⌄

Add ▾

Behaviors

Discover branches
?   ✕

Filter by name (with wildcards)   ✕
Include ?

main dev test

Exclude ?