YOUTUBE ON GAURAU SHARMA 2-MAR-22 6:01 PM WED. Contract Characterista JENKINS:-HINDI What is Jenkins? It is an open source automation tool written in java with pluging built for CI purpose Plugins allows integration of various Der Ops Stages. - Jenken Plugins
. Git for version control Mayors Built

Magoris Continuous Monitoring.

Continuous Testing.

Continuous Testing.

Configuration Management

Onible Configuration Management . Ansible Continuous Deployment. JENKINS: -INSTALLING Repo Pelian plug repository address server's sources list. - Adel - Add to the apt update \_ Sudo apt install jonkins - Svelo

MANAGIE PLUGINS

It may be possible that some option may not appear in Jerlein configuration so gov need to install that through Jenkiers plugin. - Search in tab of Available Plugins so may find your desire one. Example: CREATE USER 8-Jenkins tab and - Groto to manage crealé new user JENKINS ROLE BASED ACCESS CONTROLS-- Goto manage Jenkens, Goto/Search vole base Authorization Strategy.
- Goto Gonfigure Global security, select
your strategy and apply & save.

- Manage vole (Add, deleté, Edit Role) - Assign vole (Apply vole on user GIT PLUGIN 3-- Add repo on Git
- Copy Git URL repo and paste in Jenkins Job.

- Add some command. - Select branch i.e. master/main IRIGGER BUILD REMOTELY: - In order to trigger your boild from web URL, you need to configure it in secrettation Job. after that you set taken i.e (my secrettation) then you copy that URL from their and browser.

place it in address has J browser.

- It may lead you to authentication tab

So you need "Build Authorization Token Roos Plugin for this. - You need to copy URL from Plugin example then ofter changes in Job name and token.

Hen ofter changes in Job name and token.

you will be able to execute that URL.

This URL Will trigger a boiled on Jenkins

- This URL Will trigger a boiled on Jenkins \* Build ofter other project are built. \* Build periodically. \* Github hook trigger for GITSCM polling \* Poll SCM (SCM z Source Code Management) · The difference believes Build periodically and Poll SCM's that Build periodically will cont. to von job like exm/schedule while Poll SCM Check the source code like G17 then execute this Job. ENVIRONMENT VARIABLE 8if I want to print my name then, execute shell prompt and write name = Zohaih
echo "Hello, my name is Aramig"

- Jenkin add some environmental variable.
in your script and you may see the list
is available below tab of execute shell prompt. like "My Build ID is \$\$BUILD ID}"
echo "My Build ID is \$\$JOB\_NAME}"
echo "Job name is \$\$\$JOB\_NAME} GLOBAL GNUR WARIABLE 3-If will show anothing so you should goto
configure in configuration tab, then Glebal
proper ties and acheck Environmental variables - Name = GlOBAL- VAR value = my test Global Vax. PARAMETERIZED JOBS IN JENKIN

echo " Hello & Ename 3" now goto general tab and mark/check "This
project is Parameterized". 'n string format
and Trim the string means you It will remove
space from input.

Concurrent Or PARALLEL JOB 3-Check mark "Execute concurrent boild is RETRY COUNT 3it will vetry to connect from SCM i.e. 3. may be due to lack of internet. It will take time to boild another boild interval. Jenkins excelé a folder which he say workspace for every Job that we excali workspace / Job name /var/lib/Jenkins/workspace/Job\_name CUSTOM WORKSPACES-Goto Greneral tab, in Advance tab Use custom Workspace. - CHANGE DISPLAY NAME :h Advance tab & Greneral change display name, You may also change Project name.

Boolean: For True and False Choice & will execute a drop down list

PARAMETERIZED JOB 2:3
Password Parameter: To change password

- Password Parameter: For multiple lines

- Multiplie parameter: For multiple lines

- File Parameter: File location filePath

- File Parameter: File location filePath

and execute shell with cat file Path

so it will show on console the file content

Time out
Gooto Boild environment and check "Abort
the build It is stuck" and set minute 3

TIME STAMP

echo "This is coverent time" and check mark

of build environment i.e "Add timestamp to

the console output"

ENABLE DISABLE PROSECT: 
You may disable project in two way

so it will hide "build Now" tab

BLOCK BUILD WHEN URSTREAM/DOWNSTREAM
JOB & BUILDING: Opstream Project -> Parent Job Downstream Roject -> Child Ibb

by clicking boild when upstream project is boilding and vise versa PIPELINE (REATION:-Create two project (Free Style) with any
name like project - boilt and project tost-deals. test-deploy
Now install plugin "build Pipe line"
Now come into project!-build and in section post-build Action 7 build other project i.e project 1- test-deplay.

- Now select "+" for boild pipeline view

here select about job i.e project 1-build

The main difference in Continuous deliver, has manual intervention while continuous deployment is automatic on production