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EX. NO : 1 CREATE AND MANAGE LOCAL REPOSITORY USING GIT 24.02.22 AIM : To create and manage local repository using BIT. ALGIORITHM! Step 1: Download get from your browser and ensball et. top 2: In disbtop, right well and select Gift bash top 3: This opens the get bash, there create a new repository using midder command and to set your offt email, run the get wonging-global user, emeil command. tep 4: To snowate the created reposition, we got Inst command. tep 5: Use touch command to create three empty foles that are titml fole, text fole and python fele. Tep 6: To add all the three free to the endex (stugging Asia) use the get add. Lammard.

Step 7: Using get commit -m "value" command we can move all the file from Endex to a commit.

the state of the repository and staging area.

tep 9: We get log command to review and read

a history of everything that happens to a

repository but of you want to specifically

see for a file use get log - one line

file-name.

create, lest, rename and delete branches and the get checkout command lets you raingute between the branches created by get branch.

ESULT :

Hence a local repositiony has been created and anaged using GIT.

Ex . No : 2

REMOTE REPOSITORY

04.03.22

AIM:

To create and marage a remote repository using all.

ALGORITHM:

the plus option on the top right then while new repositions.

select public. Also 9t 98 recommended to select add a readine file, add afternoon and chaose a license and clade on weater repository.

new file uploading an existing file.

The sep 4: You can create or upload many versions of your file and commit the changes.

sep 3: In your reportory start ether by creating a

repository of any other were in to own autourt also forb make charges to a project without affecting the original repositor.

Step 6: To use forth legin with another amount and lopy and Paste URL of repositionsy then just also on forth to when to others account. Suppose we want to forth public repositionsy "calc-leg" so, search for "calc-leg" gethub repositiony on google and once it is opened allowed on "Forth button" from the top of the gethub web page.

Step 7: After fort 9t will be added on your local repo -89 tory and you can check pt from progghts tab.

step 8: To delete the repository, open the desired repository you want to delete and go to the settings option. There you will see delete repository button to delete it.

local machine, then get clone command es used followed by path to reposetory. In Get thus the path of reposetory and be brown through clone by download button.

ESULT!

Hence a remote repository has been created and managed using bilt.

CREATE AND PUSH A FILE FROM LOCAL REPOSITORY

Ex . No : 3

To create and push a file from lad repositor to remote repository in get.

ALGIORITHM!

Step 1: Right click on your deaptop and relect get bash to open the get bash.

top 2: To create a repository use the moder followed by the name of the repository, for example, "mleder devops 7".

" Id descops =".

tep 4: Using the command "get Prat" Prathalize the directory you created.

tep 5: (reate a file using the command "touch gracex. html" and cheep of ot is staged or not using the "git status" command.

index html" command which will open the name editor, there you can type the html will

step 7: To save the file press Ltrl + 0 and press entrer. To exat the nano editor press util+x. top 8: To list the content possible the wanted fole use " cot andex. Items?" wormand and stage these file using "get add Ander ham!" wommand. tep 9: To commit then file to the local repository type "gft commit -m" Added Andex. html". step 10: By using the "get status" command again cheets the status of the file. tep 11: Now to push the fell to the remote repository sign in to your repository and copy the https link and go back to the terminal. tep 12: To add these repository as an origin location use "get remote add origin https://gethub.com/ Parthrank C/ Calc\_Part. git" where https://github 'com / Pourth rares / Calc - Pavi grt 98 the lend of repository. your remote EP 13: Using the "git push origin master" command you

can frush the file to the remote repository.

and verify your account.

the page where a new branch called master would be added.

tep 16: Change the branch from main to master by whiting the drop down box and there you can see the order heml fole.

ESULT:

Hence a file to exacted and pushed from local emote reportory successfully.

CREATE FIRST JOB IN JENKINS x. NO: 4 9.03.22 To create the first got on Jentens and Lurld of ising simple windows batch commands. HLGORITHM: cep 1: Browne to 'http://loal.host: 8080' to unlock Jenlesns. sep 2: Login to Jenbens using your lagen exadentiale ep 3: clack on New 9tern in the Jenkins daehboard page to create a new gob sep 1: 69 ve a unfique name for your project (906) Ph the 'Enter an other name' freld. up 5: Select the gob type as 'Freestyle Profect' lasted below the name field and clade ob. ep 6: In the beneval tab of the configuration page give the description of your project. up 7: Click on Advanced operan to gave operand desplay nounce that is to be shown for the project throughout the Jentene web ONE.

ep 8: Now move to the Build tob letter by swalling

Jenkans"

down or by clearing the options from the top and select Add build step option.

P 9: In the Add build step option choose 'Execute Windows batch command' to run a windows batch swipt for building a profect.

up 10: We will build the gob by checking the gave version in the boal system and by pointing the "Hello" text using the following commands: the "Hello" text using the following commands:

P 12: The created project will appear in the woostspa

, print the strucements: echo "Hello! Welcome to

- Le with the given project name, Desplay name and Desuri ption.

p 13: To build the proflect select on 'Billd Now' option which is displayed to left of wookspace.

14: You will find the completed sun below the Build History' in the left, the first build is indicated as 1#1'.

15: Clack on the "#1" and Select Console Dutput!

18 successful or not.

The gob has been exeated and built using wild tab. Henre, the output Is obtained successfully and the result is displayed.

05.04.22 AIM:

CONFIGURE EMAIL NOTIFICATIONS
IN JENKINS

To configure email notifications on tentens using

Step 1: Open the Chrome browser, Select your profile and clade on 'Manage your Grouple Account'.

Step 2: In the my accounts page select 'Security' and

generating pass words.

Step 3: Now give your 6thers account password and select next.

Swall down to week on 'App passwords' for

step 4: In the App passwords conside, relect the appoint and device for password generation and then cled on Generate.

Step 6: Now browse to 'http://load.host: 8080' to unlock
Jenkins.

Step 5: lopy the Generated App Parsword and relect done

dep 7: Login to Jonkins using your login credentials.

out of the Jenistie Dushborard, Select on Mourage Janksons and then cloub configure System on the system configuration.

gree 'snotp gravil. com' on the SMTP reover field and on the SMTP post field enter 'abs' than

step 11: Then storp the 'Advanced Embel Properties' and move to the 'Default user e-most suffer peld and enter the email suffer as 'agmail.com'.

step 10: Leave the Credenticals field default and than

step 12: Leave the other feelds empty and swall down to 'Additional growny classporth' check on the 'Enable duting mode'. Cleck on 'Default Tolgers'.

Check on 'Always' in the below lasted check toxes and then move to final notification.

Step 14: Again on the SMTP server field enter 'smtp.

gmail. com and on the tofault user e-most

suffer field enter 'agmail com'. Then Use on

Advanced.

Stop 13:

seep 15: Check on the 'Use SMTP Authentication' and enter your timeail I'd and passwood an the 'Usexname and Passwood' fields.

over 16: Now Check on 'UKE SSL' field and entex the SMTP post as 'Ab5'.

There is the Check on the 'Test configuration by rendering test e-mail field under the I Test e-mail recept

step 18: You will see a notification as trail was

suggestilly rent! Now Utilo Apply and than

-ent' enter your most el and then cled on

Step 19: In order to view the sample test email

open your moul Pribox.

RESULT!

Thus the email notification configuration has been templeted and the email has been successfully

delevered. Hy