Branching in Git

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This is a feature of git which allows team memebrs to create

code related to vaious functionalities on different branches

and later merge them with the "master" branch."Master" is the

deafult branch of git

Branching helps us to create the code in an unclutterd way

1 To see the list of all the local branches

git branch

2 To see the list of all the branches (local and remote)

git branch -a

3 To create a new branch

git branch branch\_name

4 To move into a specific branch

git checkout branch\_name

5 To create a branch and also move into it

git checkout -b branch\_name

6 To merge a branch

git merge branch\_name

7 To delete a branch that is already merged

git branch -d branch\_name

This is also called as soft delete

8 To delete a branch that is not merged

git branch -D branch\_name

This is also called as hard delete

Note: Whenever a branch is created the entire commit history of

the parent branch will be copied into the new branch

Note: Irrespecive of on which branch a file is created or modified git

only check from whcih branch it is commited and that file belongs to

the commited branch only

Working on remote Gitreposiotry(github)

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1 Open github.com---->Singup for a free acoount

2 Signin into that account

Uploading the code into github(Checkin)

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1 Signin int github.com

2 Click on + on TopRight corner

3 Click on New Repository

4 Enter some reposiotry name--->Select Public or Private

5 Click on Create repository

6 Go to "push an exisiting reposiotry from command line"

Copy and paste the fitst command

This will create a link between the local and the remote repository

7 To upload the code

git push -u origin master

Enter username and password of github

Downloading the code from github

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This can be done in 3 ways

1 git clone

2 git fetch

3 git pull