Environment Setup - Anaconda & Github :-

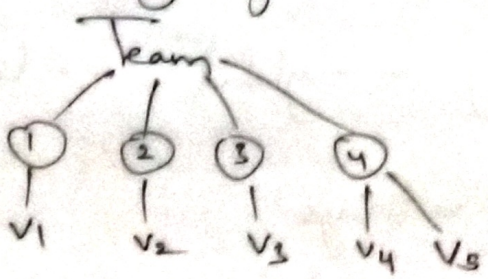
* Download Anaconda [Individual Edition]

Github :-

Git :- version control system [VCS]

Git Hub :- collaborate between the teams [repository]

** File Tracking system



* 2 Types of Version Control system

Centralized [CVCS]

Distributed [DVCS]

* CVCS :- Central Repository ← Local System [connected]

* If central server goes down then, it should wait till it gets up.

Ex:- Subversion

* DVCS :- Central Repository ← Local System [connected]

stored ↓ Data

* Git is DVCS

⇒ Open 'Git bash' pass the commands

$ git config --global user.name 'Vamshi Raj' ↵

$ git config --global user.email 'vamshiraj@gmail.com' ↵

X [$ git config --global -e ↵]

[hint: Waiting for your editor to close the file]

$ git config --global --list

* core autocrlf settings

$ git config --global core.autocrlf true

* Go to GitHub.com

Create Repository

clone Repository → local System → GitHub

* Copy the url of repository

* Get back to Git Bash

* pwd [present working directory]

$ pwd ↵

* ls [list of directories]

  $ ls ↵

* cd [change directory]

  $ cd Desktop/ ↵

  $ cd GitRepo ↵

* mkdir MyRepo ↵

* $ cd GitRepo ↵

* $ git clone https://github.com/vamshivaj... ↵

* $ cd Data_Science ↵

* $ ls ↵

* $ ls -alt ↵

```
./
../
.git/
Readme.md
```

shows all the hidden folders or files in directory

* mkdir Python ↵

  mkdir Statistics ↵

  mkdir Machine_Learning ↵

* $ cd Python ↵

* $ vim f1.py ↵

Press ⇒ [i - insert mode]

```
a = 10
b = 20
c = a + b
print(c)
```

* To save press "Esc"

* Next press ":wq" ↵

* $ cat f1.py ↵

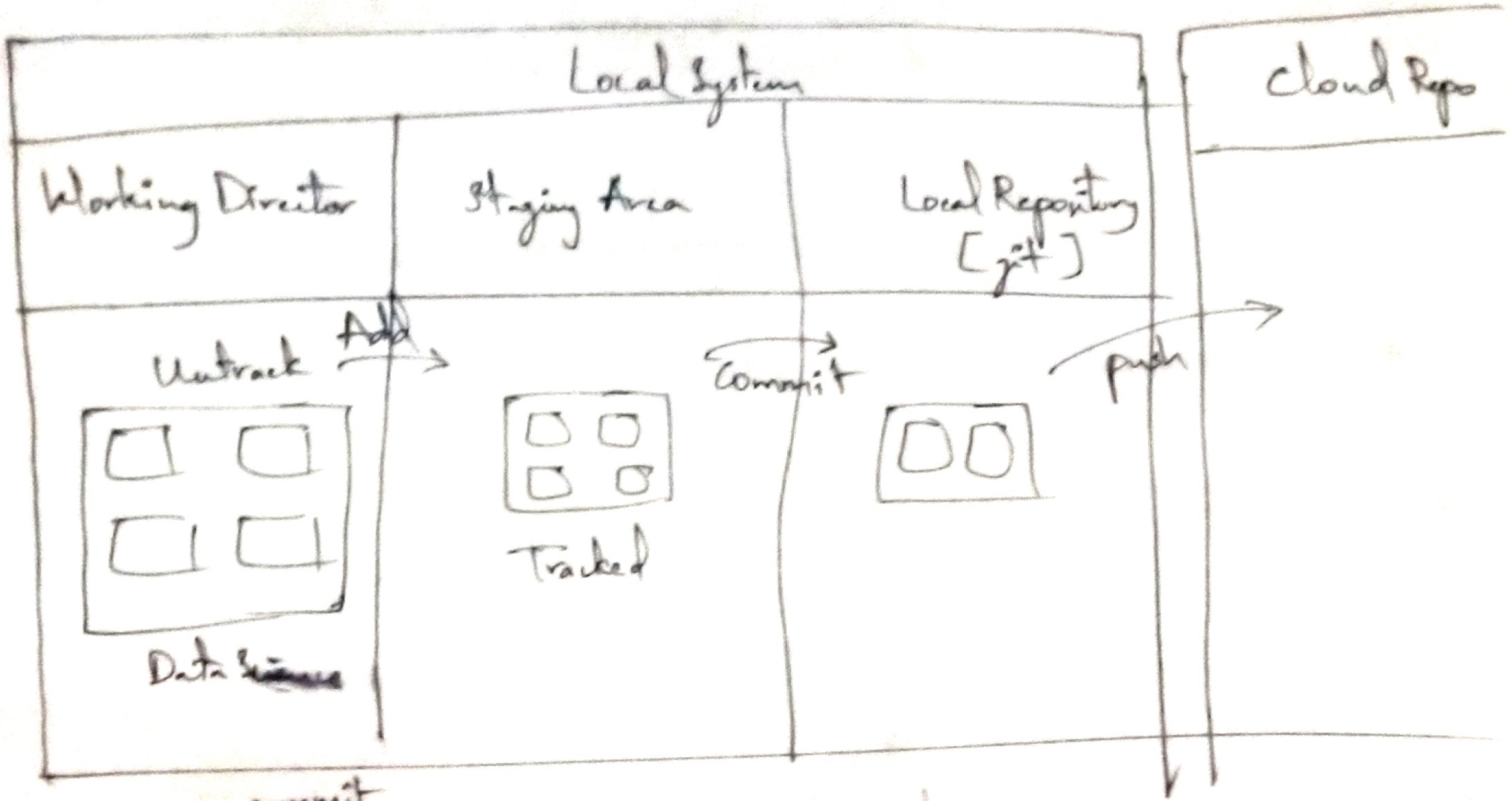
```
a = 10
b = 20
c = a+b
print(c)
```

displays the code

* $ git status ↵ [To get the status of the git]

* $ git add . ↵ [Add's all files to repository]

[1hr 17min]



* $ git commit -m 'My first Commit Code & push to cloud Repo' ↵

* $ git push ↵

Login Github

* Successfully commit & pushed