

Git and Git Hub

Afsaan, Learbay

- 1) Git and Git hub comes under VCS-Version Control System.
- 2) VS Code is 98 percent Company for Development.
- 3) Jupyter Notebook is starting.
- 4) BitBucket.
- 5) Google Collab.

VS Code is for any coding.

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Command Line basics:

- 1) ls(List) is command used for list in that directory.
- 2) ls -a (List) list with hidden files. 3) pwd(Present working directory) is present working directory.
- 4) cd change Directory is present working directory.
- 5) Ctrl+C for out of loop
- 6) Tab for help in selecting file or folder
- 7) mkdir for make directory.
- 8) rmdir for removing directory, it should be empty.
- 9) rm -r for deleting any directory irrespective of empty or some file.
rm -r path file.extension
- 10) Create file by touch command, ex- touch shivam.txt
if folder name has space then syntax is cd 'Shivam Asthana'

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Git basics:

```
git config --global user.name "Shivam123iit"
```

```
git config --global user.email "shivam.asthana123@gmail.com"
```

```
git config --global --list
```

```
git clone https://github.com/shivam123iit/learnbay_afsaan.git
```

```
git config --global https.sslverify false
```

```
git status
```

```
git add
```

```
git commit My file.pdf -m 'My first commit'
```

```
git push origin master
```

```
git add . Adds all files to staging area
```

```
git log – To get Log of all commits
```

```
git diff – Will tell about diff in files
```

Python Components

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- 1) Literals
- 2) Constants
- 3) Variables
- 4) Identifier
- 5) Reserve Words
- 6) Statement and Expression
- 7) Block and Indentation
- 8) Comments.

LITERALS

Literals :Value that we use in Python is a literals, eg Integer, float, etc.

Integer 10, 2, 9999 etc.

float 10.2, 2.3, 4.35 etc.

Complex number : Anything which can be written in form of $a+bj$.

None

Boolean : True and False.

String : Any thing in single Quote '....', Double Quote "...." and triple Single Quote '''.....''' and triple double quotes """ """

Examples:

$a=10$, a is a variable, $=$ is a operator and 10 is a Literal. $b= True$, this is boolean.

$c= None$, this is None

$d= 'Shivam'$, this is a String Literal.

Identifiers

Identifiers: Any Name which we give in Python is a Identifier , this can be variable name, Constant Name, function Name and Class Name

Rules:

- 1) Anything A-Z, a-z, 0-9 and _
- 2) Special Characters are not allowed.
- 3) It should not start with Number.