

Lab – 5

Aim: Using Git-Bash environment to create repository and stage a file with performing commits

Description:

1. Installing Git in Local System?

Visit the web site <https://git-scm.com/download/win>

choose 64-bit Git for Windows setup

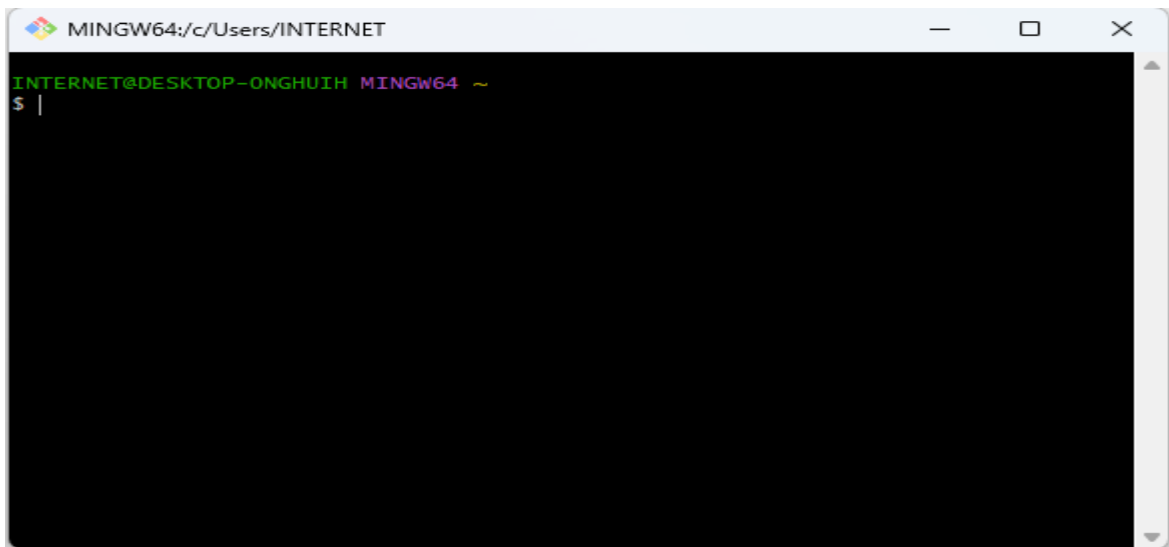
Run the setup file

Select next until entire setup process completes

If you need startup icon or runtime icon you can select checkboxes else left them unselect

After completion of installation

Git BASH console opened on screen as follows



2. Creating Environment for Git-Local?

set environmental path for GIT

type advanced system settings in search box

select <Environment Variables> button

select <New> button

Give a Name like "GITBash" in Variable Name

set Variable path as given below

"C:\Users\INTERNET\AppData\Local\Programs\Git\git-bash.exe"

3. Creating your Identity in GIT?

```
$ git config --global user.name "Dr BVRK"
```

```
$ git config --global user.password "123342"
```

```
$ git config --global user.email "bhvram78@gmail.com"
```

```
$ git config user.name
```

```
Dr BVRK
```

```
$ git config user.email
```

```
bhvram78@gmail.com
```

```
$ git config user.password
```

123342

4. Create a new local repository in any folder?

```
$ git init
```

Initialized empty Git repository in E:/MYGitFiles/.git/

5. Stage files into repository created?

```
$ git add .
```

SamhiSesi@DESKTOP-F7HHS75 MINGW64 /e/mygitfiles (master)

```
$ git status
```

On branch master

No commits yet

Changes to be committed:

(use "git rm --cached <file>..." to unstage)

new file: ReadMe.txt

new file: bvr1.java

6. Perform commit over staged documents

```
$ git commit -m "Performing Commit 002"
```

[master (root-commit) 28d6b76] Performing Commit 002

2 files changed, 16 insertions(+)

create mode 100644 ReadMe.txt

create mode 100644 bvr1.java

7. Performing un commit last operations

```
$ git reset --soft HEAD
```

SamhiSesi@DESKTOP-F7HHS75 MINGW64 /e/mygitfiles (master)

```
$ git status
```

On branch master

nothing to commit, working tree clean

SamhiSesi@DESKTOP-F7HHS75 MINGW64 /e/mygitfiles (master)

```
$ git reset HEAD
```

SamhiSesi@DESKTOP-F7HHS75 MINGW64 /e/mygitfiles (master)

```
$ git status
```

On branch master

nothing to commit, working tree clean

SamhiSesi@DESKTOP-F7HHS75 MINGW64 /e/mygitfiles (master)

```
$ ls
```

ReadMe.txt bvr1.java