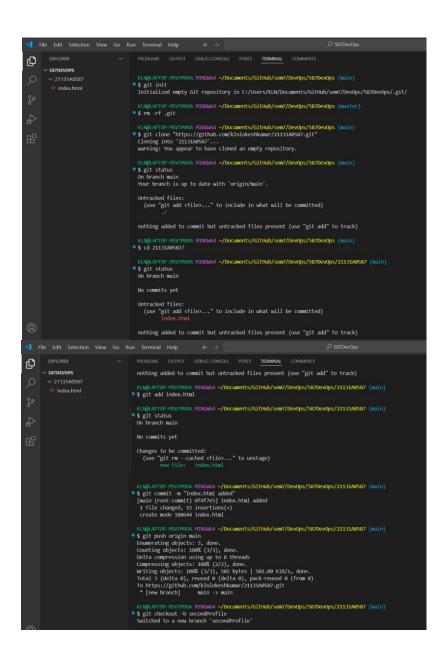
## Assignment 1 – 21131A0587

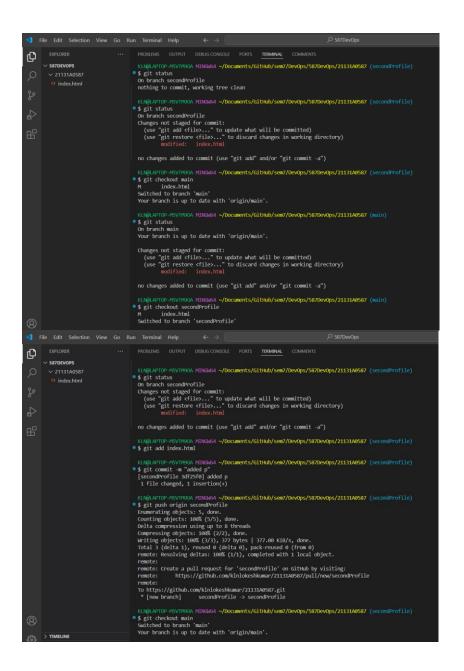
## Kalluri Laxmi Narashimha Lokesh Kumar

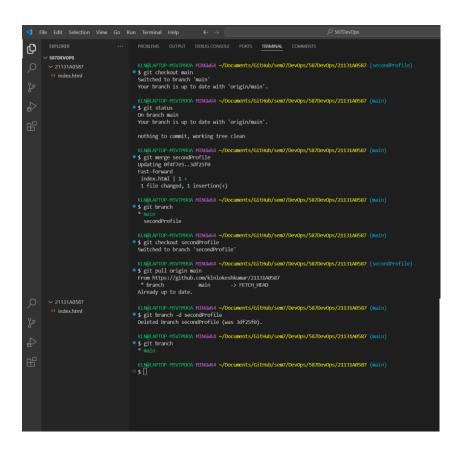
## Q1: Demonstrate basic Git Commands

## Note:

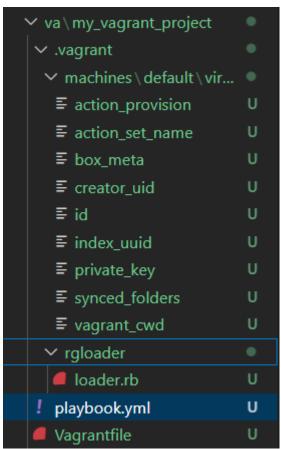
Create a folder with your roll no. Using the Gitbash terminal execute basic git commands Take the screenshots of the outputs. submit it as pdf file







Q2 : Demonstrate the usage of vagrant for the creation of virtual machines.



```
PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va> mkdir my vagrant project
     Directory: C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va
 Mode
                        LastWriteTime
                                                 Length Name
 d----
                 20-08-2024 23:13
                                                        my_vagrant_project
PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va> cd my vagrant project
PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va\my_vagrant_project> vagrant init hashicorp/bionic64
 A `Vagrantfile` has been placed in this directory. You are now
 ready to `vagrant up` your first virtual environment! Please read
 the comments in the Vagrantfile as well as documentation on
 `vagrantup.com` for more information on using Vagrant.
 PS C:\Users\KLN\Documents\GitHub\sem7\DevOps\587DevOps\va\my_vagrant_project> vagrant_up
 Bringing machine 'default' up with 'virtualbox' provider...
==> default: Checking if box 'hashicorp/bionic64' version '1.0.282' is up to date...
 ==> default: Clearing any previously set network interfaces...
 ==> default: Preparing network interfaces based on configuration...
     default: Adapter 1: nat
 ==> default: Forwarding ports...
     default: 22 (guest) => 2222 (host) (adapter 1)
 ==> default: Running 'pre-boot' VM customizations...
 ==> default: Booting VM...
 ==> default: Waiting for machine to boot. This may take a few minutes...
     default: SSH address: 127.0.0.1:2222
     default: SSH username: vagrant
     default: SSH auth method: private key
     default: Vagrant insecure key detected. Vagrant will automatically replace
     default: this with a newly generated keypair for better security.
     default:
     default: Inserting generated public key within guest...
     default: Removing insecure key from the guest if it's present...
     default: Key inserted! Disconnecting and reconnecting using new SSH key...
 ==> default: Machine booted and ready!
 ==> default: Checking for guest additions in VM...
     default: The guest additions on this VM do not match the installed version of
     default: VirtualBox! In most cases this is fine, but in rare cases it can
     default: prevent things such as shared folders from working properly. If you see
     default: shared folder errors, please make sure the guest additions within the
     default: virtual machine match the version of VirtualBox you have installed on
     default: your host and reload your VM.
     default: Guest Additions Version: 6.0.10
     default: VirtualBox Version: 7.0
 ==> default: Mounting shared folders...
```

default: /vagrant => C:/Users/KLN/Documents/GitHub/sem7/DevOps/587DevOps/va/my\_vagrant\_project

```
vagrant@vagrant:~$ ls
vagrant@vagrant:~$ ls -a
. . . .bash_logout .bashrc .cache .gnupg .profile .ssh .sudo_as_admin_successful .vbox_version .wget-hsts
vagrant@vagrant:~$ mkdir kln
vagrant@vagrant:~$ ls
vagrant@vagrant:~$ cd kln
vagrant@vagrant:~/kln$ vagrant suspend
-bash: vagrant: command not found
vagrant@vagrant:~/kln$ ^C
vagrant@vagrant:~/kln$ ^C
vagrant@vagrant:~/kln$ cd ..
vagrant@vagrant:~$ vagrant
-bash: vagrant: command not found
vagrant@vagrant:~$ exit
logout
Connection to 127.0.0.1 closed.
```