## Vagrant / Docker:

Initializing Docker container using Vagrantfile.

```
root@ip-172-31-7-119:*/new_data# vi Vagrantile
root@ip-172-31-7-119:*/new_data# vagrant up
Rinjing machine 'default' my with 'dooker' provider...
*** default: Building the container from a Bockerfile...

default: --> building the container from a Bockerfile...

default: Bockerf
```

## Connect the Docker using SSH

```
default:
            Name: new_data_default_1663444795
    default: Image: 2266ade4e282
    default: Volume: /root/new_data:/vagrant
              Port: 127.0.0.1:2201:22
   default:
   default:
   default: Container created: 1d924a8c08236e37
=> default: Starting container...
==> default: Waiting for machine to boot. This may take a few minutes...
   default: SSH address: 127.0.0.1:2201
   default: SSH username: root
   default: SSH auth method: password
==> default: Machine booted and ready!
root@ip-172-31-7-119:~/new_data# vagrant ssh
==> default: The machine you're attempting to SSH into is configured to use
==> default: password-based authentication. Vagrant can't script entering the
==> default: password for you. If you're prompted for a password, please enter
=> default: the same password you have configured in the Vagrantfile.
root@127.0.0.1's password:
root@1d924a8c0823:~#
root@1d924a8c0823:~#
```

Executing basic application on the Build environment.

```
root@ld924a8c0823:~ flask run

* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.

* Running on http://127.0.0.1:5000
Press CTRL+C to quit
```

Validating application status using **netstat -tupln** command.

```
root@1d924a8c0823:~# netstat -tupln
Active Internet connections (only servers)
Proto Recv-Q Send-Q Local Address Foreign Address State PID/Program name
tcp 0 0127.0.0.1:5000 0.0.0.0:* LISTEN 23/python3
tcp 0 00.0.0.0:22 0.0.0.0:* LISTEN 1/sshd: /usr/sbin/s
tcp6 0 0:::22 :::* LISTEN 1/sshd: /usr/sbin/s
root@1d924a8c0823:~#
root@1d924a8c0823:~#
```