EXPERIMENT-1

AIM => Running Virtual Machine into a window commad prompt using VAGRANT.

PREREQUISITE: <u>Install =></u>

- 1. Virtual box => https://www.virtualbox.org/wiki/Download_Old_Builds_5_2
- 2. Vagrant => https://www.vagrantup.com/
- A. Open Command promt and create a folder "vm2".

Go to folder and type command => vagrant init

This will configure the current directory to be a Vagrant environment by generating an initial Vagrantfile if one does not already exist.

```
C:\vm2>vagrant init
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.
C:\vm2>
```

B. Configure your Vagrantfile which is just initialized at your directory vm2.

Write => config.vm.box = "ubuntu/xenial64_[Cloud-image of the ubuntu]
OR

You can directly use: "vagrant init ubuntu/xenial64" in first step. Using this we did need to configure the vagrant file.

C. After configuring the file, Create the guest machine using "Vagrant up"

=> This command creates and configures guest machines according to your <u>Vagrantfile</u>.

```
C:\mz/svagrant up

Bringing machine 'default' up with 'virtualbox' provider...

-> default: Importing base box 'ubuntu/xenial64'...

-> default: Matching Mac Address for NAT networking...

-> default: Checking if box 'ubuntu/xenial64' version '20201102.0.0' is up to date...

-> default: Setting the name of the Wh: mz/ default 1604425522979_65926

-> default: Fixed port collision for 22 -> 2222. Now on port 2200.

-> default: Clearing any previously set network interfaces.

-> default: Preparing network interfaces based on configuration...

default: Adapter 1: any previously set network interfaces.

-> default: Preparing network interfaces based on configuration...

default: Adapter 1: any previously set network interfaces.

-> default: Preparing prets...

-> default: Adapter 1: any previously set network interfaces based on configuration...

default: Waiting pre-book' VM customizations...

-> default: Bornarding ports...

-> default: Waiting for machine to boot. This may take a few minutes...

default: SSH username: vagrant

default: SSH username: vagrant

default: SSH username: vagrant

default: Warning: Connection east. Retrying...

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: Key inserted! Disconnecting and reconnecting using new SSH key...

-> default: Checking for guest additions in VM...

default: The guest additions on this VM do not match the installed version of default: yor host and reload you VM.

default: Shared folder errors, please make were the guest additions within the default: yor work and reload you VM.

default: Guest Additions Version: 5.1.38

default: Warnings the default: Mounting shared folders...

default: Mounting shared folders...

default: Mounting shared folders...

default: War
```

D. Lets enter into our machine.

Command: "vagrant ssh".

This will SSH into a running Vagrant machine and give you access to a shell.