#### Practical No. 02

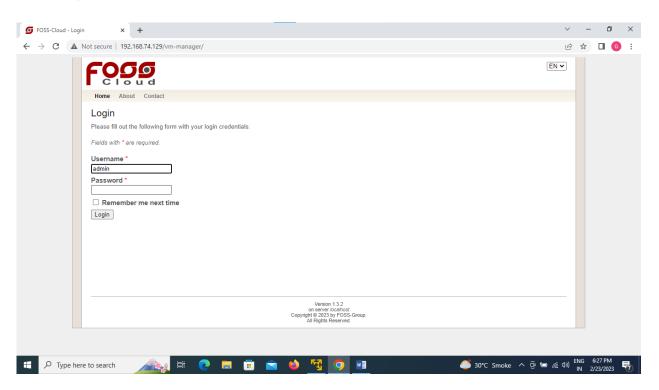
**Aim:** Study and implementation of Platform as a Service

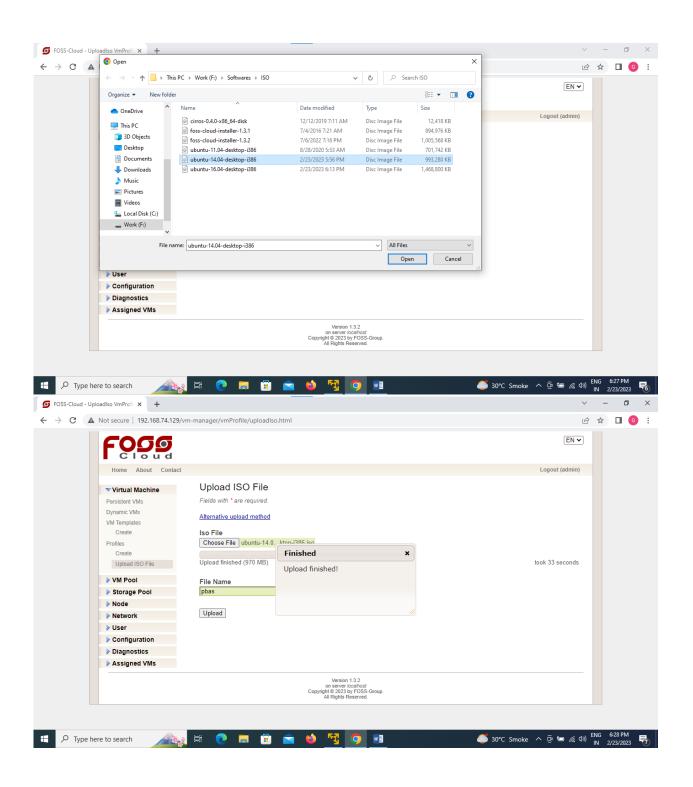
**Theory:** Platform as a Service (PaaS) provides a runtime environment. It allows programmers to easily create, test, run, and deploy web applications. You can purchase these applications from a cloud service provider on a pay-as-per use basis and access them using the Internet connection. In PaaS, back end scalability is managed by the cloud service provider, so end- users do not need to worry about managing the infrastructure.

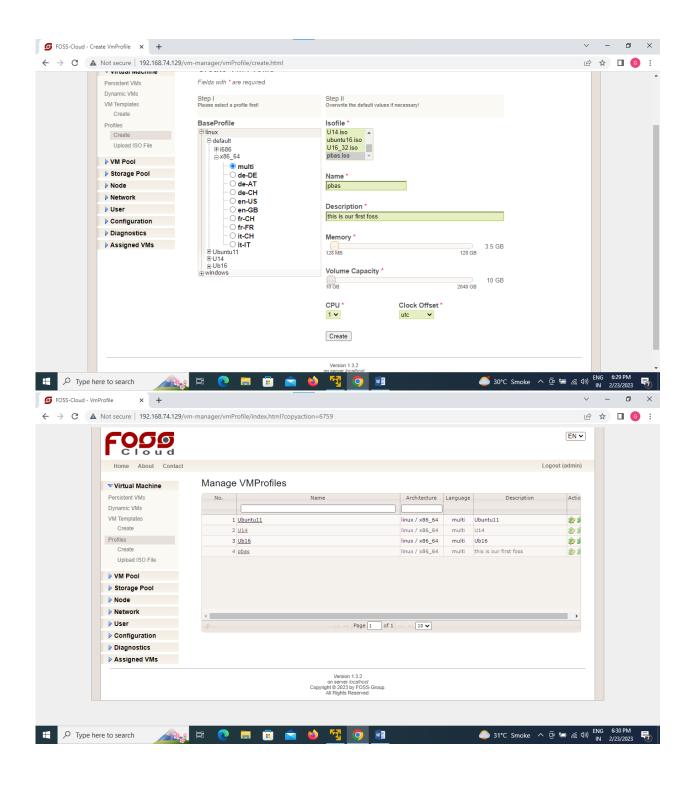
PaaS includes infrastructure (servers, storage, and networking) and platform (middleware, development tools, database management systems, business intelligence, and more) to support the web application life cycle.

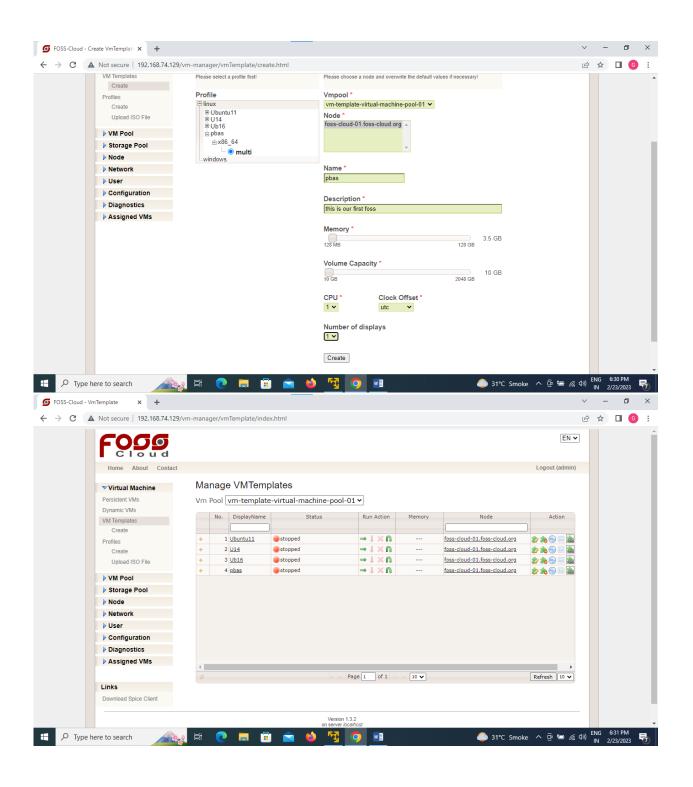
# **Methods and Steps:**

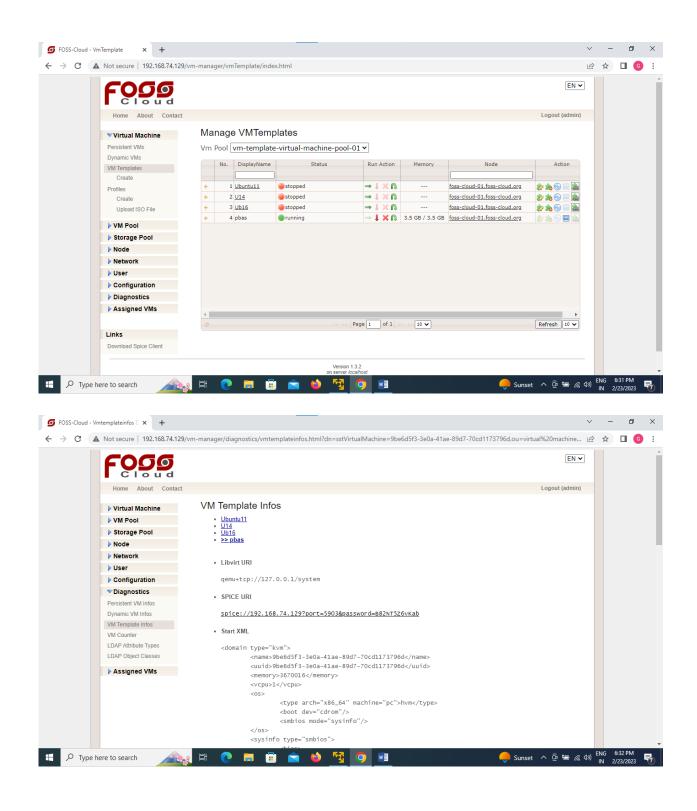
A. Using FOSS Server

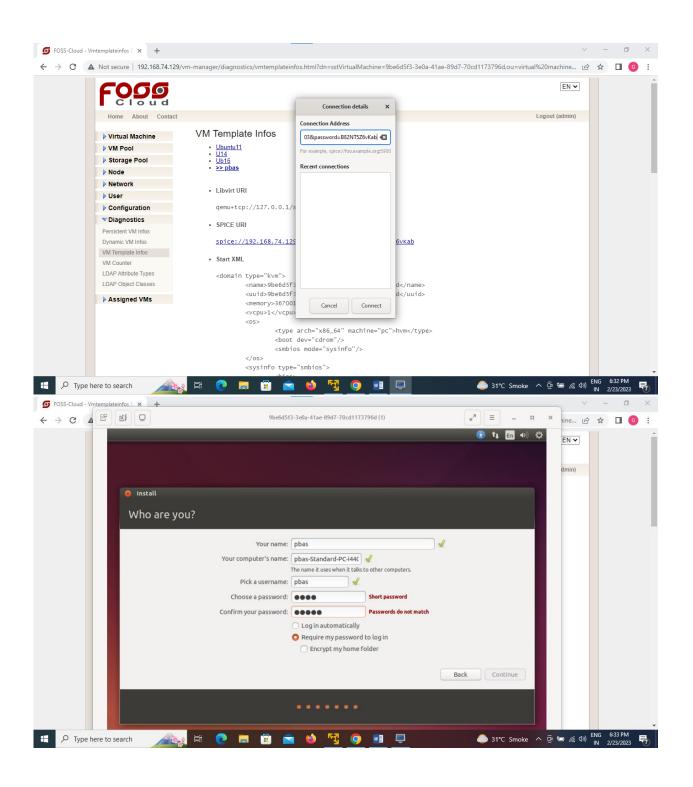


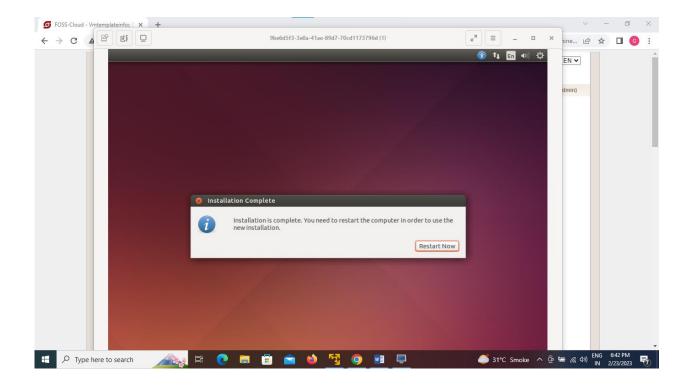












```
x=int(input("Enter a number: "))
y=int(input("Enter 2 number: "))
mul=x*y
print("Multiplication is ",mul)

Thunderbird Mail
```

```
File Edit View Search Terminal Help
To run a command as administrator (user "root"), use "sudo <command>".
The see "man sudo_root" for details.

**Buntu@ubuntu:~$ sudo gedit app.py

** (gedit:3193): WARNING **: 21:28:47.597: Set document metadata failed: Setting attribute metadata::gedit-spell-language not supported

** (gedit:3193): WARNING **: 21:28:47.597: Set document metadata failed: Setting attribute metadata::gedit-encoding not supported

** (gedit:3193): WARNING **: 21:28:55.037: Set document metadata failed: Setting attribute metadata::gedit-position not supported

** (gedit:3193): WARNING **: 21:28:55.037: Set document metadata failed: Setting attribute metadata::gedit-position not supported

** (buntu@ubuntu:~$ python app.py

** inter a number: 5

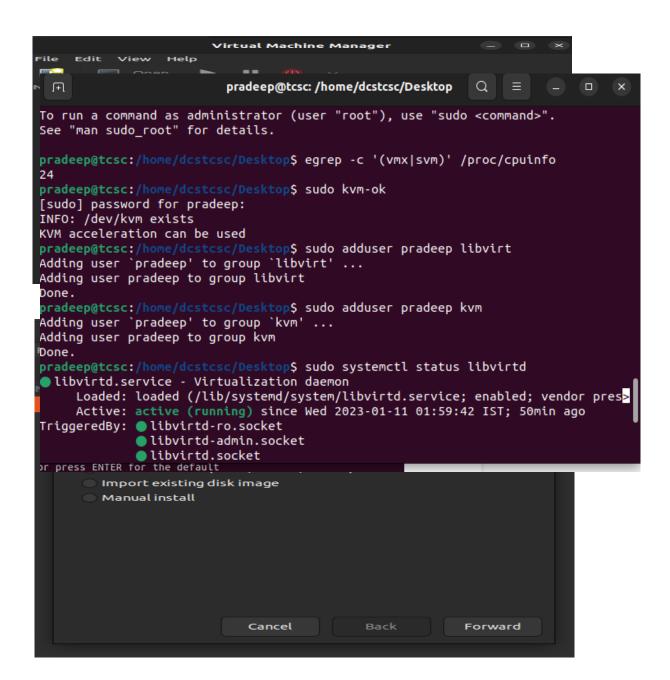
** inter 2 number: 6

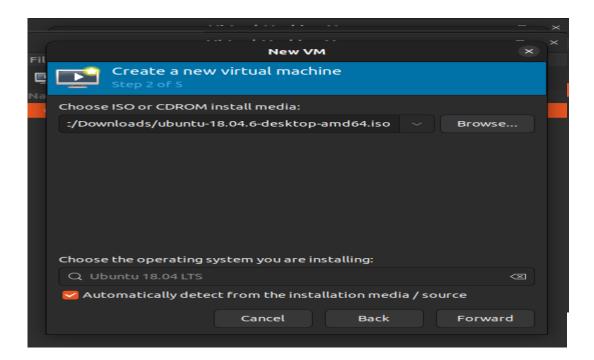
** Multiplication is ', 30)

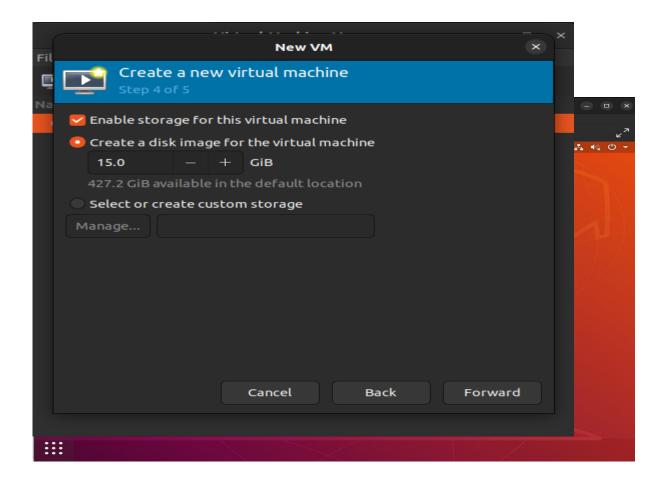
** ibuntu@ubuntu:~$
```

# B. Using KVM.

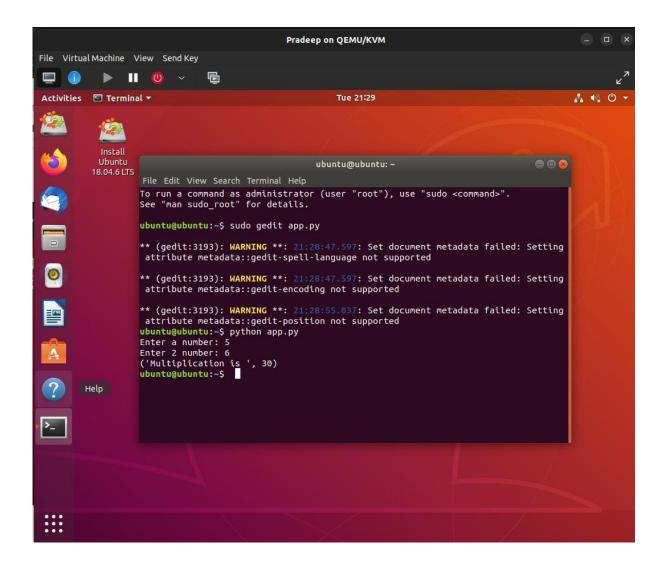
```
pradeep@tcsc: /home/dcstcsc/Desktop
                                                                        Q
Adding user `pradeep' ...
Adding new group `pradeep' (1044) ...
Adding new user `pradeep' (1044) with group `pradeep' ...
Creating home directory `/home/pradeep' ...
Copying files from `/etc/skel' ...
New password:
BAD PASSWORD: The password is shorter than 8 characters
Retype new password:
passwd: password updated successfully
Changing the user information for pradeep
Enter the new value, or press ENTER for the default
         Full Name []:
         Room Number []:
Work Phone []:
         Home Phone []:
         Other []:
Is the information correct? [Y/n]
dcstcsc@tcsc:~/Desktop$ sudo usermod -aG sudo pradeep
dcstcsc@tcsc:~/Desktop$ su pradeep
Password:
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
pradeep@tcsc:/home/dcstcsc/Desktop$
```











#### C. GCP/AWS/IBM/AZure/...

### S3 Aws:

