As described in https://github.com/chef-training/workshops, I able to complete the exercises in workshop project.

Here is the summary of my approach for each individual project

Initial thought was to setup Chef Infra Server and node in 2 VM's but later realised that I able to complete these exercises using Chef Workstation and Kitchen Test tools. Therefore I install Chef workstation in my Windows Laptop

I gone through online courses "Learn Chef" and other online references related to Chef to complete these exercises.

Generated cookbook template form command "chef generate cookbook <<name>>" and placed all files the same directory structure or these exercises

- 1) Mongo DB
 - 1.1) Goto directory 1_MongoDB
 - 1.2) Run following commands to deploy MongoDB in ubuntu
 - a) kitchen list
 - b) kitchen create
 - c) kitchen converge
 - 1.3) Logon to Ubuntu box using below command kitchen login ubuntu

1.4) run command "mongo"

```
Consequence of Programs of Programs (Programs of Programs of Progr
```

- 2) Tomcat
 - 2.1) Goto directory 2_Tomcat
 - 2.2) Run following commands to deploy Tomcat Server in CentOS
 - a) kitchen list
 - b) kitchen create
 - c) kitchen converge

2.3) Logon to CentOS box using below command kitchen login centos 2.4) run command

curl http://localhost:8080

3) Bonus

I tried to deploy "Awesome_Appliance_Repair". But gone through number of blockers. I completed this exercise partially due to time constraint and providing summary below

3.1) I tried to setup all the pre-requisite components and able to setup "apache2", "Parthon" but appropriately setup Mas OL using Chof

"Python" but unsuccessful to setup MySQL using Chef

There was issue while executing below block in Kitchen test. I used Ubuntu 20-04

version

```
mysql_service 'default' do
port '3306'
version '8.0'
initial_root_password 'change me'
action [:create, :start]
end
```

While applying recipe changes through Kitchen Test, following issue was surfaced. I tried to resolve it by various means but no luck.

- 3.2) Despite of this issue, I able to see MySql Server issue, I able to see its running in server. So continued to configure application,, but other blocker hit with version difference of the application can couldn't able to continue as python-mysql and python-pip components are no longer available in universal repo. I need to change all settings to Python3 but, application wont deploy.
 - 4) Due to some reason, I forked different sub-branch and ended up with 4_Windows OS exercise as well.. Later, I realised this is not part of original URL. I thought, this exercise is also part and did some work on this. This also partial

I tried to provision tas/Windows_2019 server which is downloaded from Vagrant Cloud its hanging while start of the server using kitchen create. I also tried with tas/Windows_2016 image and faced same issue. Successfully able to provision tas/Windows 2012R2 image and worked few policies like allow Remote Access.