Exercise -1: Create a file

Step 1:
knife cookbook create myFile

Step 2:
edit default recipe
file '/var/javahome/index.html' do
** content 'creating file using chef'**
** action : create**
end

Step 3:
knife cookbook upload myFile

Step 4:
knife bootstrap 192.16.15.1 -x root -P vagrant -N node-1 -r 'reciepe[myFile::default]'

Exercise -2: Create Folder

Step 1:
knife cookbook create myFolder

Step 2:
edit default recipe
directory '/var/javahome' do
**   action : create**
end

Step 3:
knife cookbook upload myFolder

Step 4:
knife bootstrap 192.16.15.1 -x root -P vagrant -N node-1 -r 'reciepe[myFolder::default]'

Exercise -3:Install apache,start apache,deploy the code

Step 1:
knife cookbook create install-apache

Step 2:
edit default recipe
#Installing httpd
package 'httpd' do
  action :install
end

#Create index.html on apache
file '/var/www/html/index.html' do
  content '<h1>Chef Rocks</h1>'
end

#Starting & enabling httpd
service 'httpd' do
  action [:enable,:start]
End

Step 3:
    Change the version in metadata.rb

Step 4:
knife cookbook upload install-apache

Step 5:
knife bootstrap 192.16.15.1 -x root -P vagrant -N node-1 -r 'reciepe[install-apache::default]'

Exercise-4 : Custom Recipes: chef run list multiple recipes

Step 1: create below recipes
>   install_apache.rb
>   enable_apache.rb
>   deploy_code.rb

Step 2:
In   install_apache.rb
#Installing httpd
package 'httpd' do
  action :install
end

In enable_apache.rb

#Starting & enabling httpd
service 'httpd' do
  action [:enable,:start]
end

In deploy_code.rb

#Create index.html on apache
file '/var/www/html/index.html' do
  content '<h1>Chef Rocks</h1>'
end

Step 3:
knife node run_list set 'node1'
'recipe[myapache::install_apache],recipe[myapache::enable_apache],recipe[myapache::deploy
_code]'

Exercise -4: Integration Tests and Junit Test
Create Cookbook
Run the Integration Tests
Test the cookbook
Step 1:

Exercise-5: Install Java,Maven,Git
Create a cookbook to install Java
Create a cookbook to install maven
Create a cookbook to install git

Exercise-6:Chef Integration with Jenkins

Create job in jenkins

Create Git repo in GitHub

Upload from Jenkins

Knife cookbook upload --all

Ohai

Get the Node details

Install apache based on platform using ohai attribute.