

# ANSIBLE CLASS-4

WRITE A PLAYBOOK TO INSTALL TREE PACKAGE

```
---
- hosts: dev
  connection: ssh

  tasks:
    - name: install tree
      yum: name=tree state=present
```

WRITE A PLAYBOOK TO CREATE A FILE AND CHANGE THE USERS AND PERMISSIONS OF A FILE

```
---
- hosts: dev
  connection: ssh

  tasks:
    - name: adding user
      user: name=tcs state=present

    - name: adding group
      group: name=infosys state=present

    - name: change permissions of a file
      file:
        path: "devops"
        state: touch
        mode: 123
        owner: tcs
        group: infosys
```

WRITE A PLAYBOOK TO SETUP JENKINS IN ANSIBLE

```

---
- hosts: dev
  connection: ssh

  tasks:
    - name: install dependency
      command: amazon-linux-extras install java-openjdk11 -y

    - name: download repo from jenkins.io
      get_url:
        url: https://pkg.jenkins.io/redhat-stable/jenkins.repo
        dest: /etc/yum.repos.d/jenkins.repo

    - name: download key from jenkins.io
      ansible.builtin.rpm_key:
        key: https://pkg.jenkins.io/redhat-stable/jenkins.io-2023.key
        state: present

    - name: install jenkins
      yum: name=jenkins state=present

    - name: start the jenkins
      service: name=jenkins state=started

```

WRITE A PLAYBOOK TO CREATE A FILE

```

---
- hosts: dev
  connection: ssh

  tasks:
    - name: i want to create a folder
      file:
        path: "/var/lib/amazon/mahendar.txt"
        state: touch

```

WRITE A PLAYBOOK TO ADD A DATA INTO A FILE

```

---
- hosts: dev
  connection: ssh

  tasks:
    - name: adding some content to the file
      copy:
        dest: flm-ansible.pdf
        content: |
          This is my playbook
          we are adding data using
          ansible playbook
~

```

WRITE A PLAYBOOK TO INSTALL A WEB SERVER

```

---
- hosts: dev
  connection: ssh

  tasks:
    - name: install any webserver
      yum: name=httpd state=present
      notify: restart webserver

  handlers:
    - name: restart webserver
      service: name=httpd state=started

```

PLAYBOOK USING WHEN CONDITIONS:

```

- hosts: dev
  connection: ssh

  tasks:
    - name: install git
      yum: name=git state=present
      when: ansible_os_family == "RedHat"

    - name: install git
      apt: name=git state=present
      when: ansible_os_family == "Ubuntu"

    - name: install maven
      yum: name=maven state=present
      when: ansible_os_family == "CentOs"

```

## PLAYBOOK TO SETUP A TOMCAT

```

tasks:
  - name: install java
    yum: name=java-1.8.0-openjdk state=present

  - name: download tomcat file from dlcdn
    get_url:
      url: "https://dlcdn.apache.org/tomcat/tomcat-9/v9.0.82/bin/apache-tomcat-9.0.82.tar.gz"
      dest: "/root"

  - name: untar the file
    command: tar -zxvf apache-tomcat-9.0.82.tar.gz

  - name: rename the file
    command: mv apache-tomcat-9.0.82 tomcat
    tags: abc

  - name: change context.xml file
    copy:
      src: context.xml
      dest: /root/tomcat/webapps/manager/META-INF/context.xml

  - name: change users file
    copy:
      src: tomcat-users.xml
      dest: /root/tomcat/conf/tomcat-users.xml

  - name: stop the tomcat
    shell: nohup /root/tomcat/bin/shutdown.sh

  - name: start the tomcat
    shell: nohup /root/tomcat/bin/startup.sh

```

