Ansible Task-4

Create a playbook called webdev.yml in home/sandy/ansible.

cd /home/sandy/ansible
touch webdev.yml

```
[root@localhost ansible]# ls -l webdev.yml
-rw-r--r--. 1 root root 0 Jun 15 13:01 webdev.yml
```

```yaml
---
- name: webdev task
  hosts: host
  tasks:
    - name: make group
      ansible.builtin.group:
        name: webdev
        state: present

    - name: make directory /webdev, give basic and special permission, change owner of directory
      ansible.builtin.file:
        path: /webdev
        state: directory
        group: webdev
        mode: '2755'

    - name: write text "Development" to /webdev/index.html
      ansible.builtin.copy:
        dest: /webdev/index.html
        content: 'Development'

    - name: install httpd
      ansible.builtin.yum:
        name: httpd
        state: latest

    - name: make sure firewall was installed
      ansible.builtin.service:
        name: firewalld
        state: started
        enabled: yes

    - name: start and enable httpd
      ansible.builtin.service:
        name: httpd
        state: started
        enabled: yes

    - name: add http to firewall service
      ansible.posix.firewalld:
        service: http
        permanent: true
        state: enabled
        immediate: true

    - name: link symbolic from /webdev /var/www/html/webdev
      ansible.builtin.file:
        src: /webdev
        dest: /var/www/html/webdev
        state: link

    - name: edit context /var/www/html/webdev
      community.general.sefcontext:
        target: '/webdev(/.*)?'
        setype: httpd_sys_rw_content_t
        state: present

    - name: selinux restorecon
      ansible.builtin.command: restorecon -irv /srv/git_repos
```

make group

```yaml
- name: make group
  ansible.builtin.group:
    name: webdev
    state: present
```

make directory /webdev, give basic and special permission, change owner of directory

```yaml
- name: make directory /webdev, give basic and special permission, change owner of directory
  ansible.builtin.file:
    path: /webdev
    state: directory
    group: webdev
    mode: '2755'
```

write text "Development" to /webdev/index.html

```yaml
- name: write text "Development" to /webdev/index.html
  ansible.builtin.copy:
    dest: /webdev/index.html
    content: 'Development'
```

install httpd

```yaml
- name: install httpd
  ansible.builtin.yum:
    name: httpd
    state: latest
```

make sure firewall was installed

```yaml
- name: make sure firewall was installed
  ansible.builtin.service:
    name: firewalld
    state: started
    enabled: yes
```

start and enable httpd

```yaml
- name: start and enable httpd
  ansible.builtin.service:
    name: httpd
    state: started
    enabled: yes
```

add http to firewall service

```yaml
- name: add http to firewall service
  ansible.posix.firewalld:
    service: http
    permanent: true
    state: enabled
    immediate: true
```

link symbolic

```
- name: link symbolic from /webdev /var/www/html/webdev
  ansible.builtin.file:
    src: /webdev
    dest: /var/www/html/webdev
    state: link
```

edit context

```
- name: edit context /var/www/html/webdev
  community.general.sefcontext:
    target: '/webdev(/.*)?'
    setype: httpd_sys_rw_content_t
    state: present
```

selinux restorecon

```
- name: selinux restorecon
  ansible.builtin.command: restorecon -irv /srv/git_repos
```

```
[root@localhost ansible]# ansible-playbook webdev.yml

PLAY [webdev task] ***********************************************************************

TASK [Gathering Facts] ******************************************************************
ok: [192.168.1.112]

TASK [make group] ***********************************************************************
ok: [192.168.1.112]

TASK [make directory /webdev, give basic and special permission, change owner of directory] **********
ok: [192.168.1.112]

TASK [write text "Development" to /webdev/index.html] ***********************************
changed: [192.168.1.112]

TASK [install httpd] ********************************************************************
ok: [192.168.1.112]

TASK [make sure firewall was installed] ************************************************
ok: [192.168.1.112]

TASK [start and enable httpd] **********************************************************
changed: [192.168.1.112]

TASK [add http to firewall service] ***************************************************
changed: [192.168.1.112]

TASK [link symbolic from /webdev /var/www/html/webdev] *********************************
changed: [192.168.1.112]

TASK [edit context /var/www/html/webdev] **********************************************
changed: [192.168.1.112]

TASK [selinux restorecon] *************************************************************
changed: [192.168.1.112]

PLAY RECAP *****************************************************************************
192.168.1.112              : ok=11    changed=6    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

[root@localhost ansible]# vim webdev.yml
```