Module Explained

Main.yml file

```
- hosts: localhost
  become: yes
  tasks:
  - name: Stop ssh
    service:
      name: ssh
      state: stopped
  - name: Start ssh
    service:
      name: ssh
      state: started
```

Command:
ansible-playbook main.yml

Ansible sibelius - Try It Out-conditional (when clause)

```
> ansible localhost -i /etc/ansible/hosts -m command -a "mkdir
/home/user/test"

> cd /projects/challenge

> touch simplefile.txt
```

main.yml file

```
- name: move file from this to localhost
  hosts: localhost
  tasks:
    - name: Task name
      stat:
        path: /home/user/test/simplefile.txt
      register: file_date

    - name: copy a file, but do not copy if the file already exists
      command: mv /projects/challenge/simplefile.txt /home/user/test/
creates=simplefile.txt
      when: not file_date.stat.exists
```

Try-it-Out - Loops

main.yml file

```yaml
---
- name: installation of open source softwares
  hosts: localhost
  become: true
  tasks:
  - name: install apache sqlite and git tool
    apt:
      pkg: '{{ item }}'
      state: latest
      update_cache: true
    with_items:
      - apache2
      - sqlite3
      - git
```

```
> ansible-playbook main.yml
```

Try It Out - Write A Playbook

main.yml file

```yaml
- name: installation of open source softwares
  hosts: localhost
  become: true
  tasks:
  - name: install nginx and postgresql
    apt:
      pkg:
        - nginx
        - postgresql
      state: latest
```

```yaml
      update_cache: true
```

```
> cd /projects/challenge/fresco_nginx/tasks
```

```
> ansible-playbook main.yml
```