Ansible Question2

```
master@master-vm:~/Desktop$ mkdir Ansible2
master@master-vm:~/Desktop$ cd Ansible2
```

```
master@master-vm:~/Desktop/Ansible2$ cd webserver/
master@master-vm:~/Desktop/Ansible2/webserver$ ls
defaults  files  handlers  meta  README.md  tasks  templates  tests  vars
master@master-vm:~/Desktop/Ansible2/webserver$ cd defaults/
master@master-vm:~/Desktop/Ansible2/webserver/defaults$ nano main.yml
master@master-vm:~/Desktop/Ansible2/webserver/defaults$ cd ..
master@master-vm:~/Desktop/Ansible2/webserver$ cd tasks/
master@master-vm:~/Desktop/Ansible2/webserver/tasks$ nano main.yml
master@master-vm:~/Desktop/Ansible2/webserver/tasks$ nano main.yml
master@master-vm:~/Desktop/Ansible2/webserver/tasks$ cd ..
master@master-vm:~/Desktop/Ansible2/webserver$ cd handlers/
master@master-vm:~/Desktop/Ansible2/webserver/handlers$ nano main.yml
```

```
master@master-vm:~/Desktop/Ansible2/webserver$ mkdir -p ~/Desktop/Ansible2/webserver/roles/webserver/{tasks,files,templates,defaults,handlers}
master@master-vm:~/Desktop/Ansible2/webserver$ nano ~/Desktop/Ansible2/webserver/roles/webserver/tasks/main.yml
```

Created Defaults/main.yml

```
  GNU nano 6.2
---
webserver_package: nginx
webserver_service: nginx
html_page: "Hello, World! This is a sample HTML page."
```

Created roles/tasks/main.yml file

```
  GNU nano 6.2                                              /home/mas
---
- name: Install Nginx
  apt:
    name: nginx
    state: present
    update_cache: yes

- name: Create a simple HTML page
  copy:
    content: |
      <html>
        <head><title>Sample Page</title></head>
        <body>
          <h1>Welcome to My Web Server!</h1>
        </body>
      </html>
    dest: /var/www/html/index.html

- name: Ensure Nginx is running
  service:
    name: nginx
    state: started
    enabled: yes
```

Created Handlers/main.yml file

```
  GNU nano 6.2
---
- name: restart nginx
  service:
    name: nginx
    state: restarted
  become: true
```

```
master@master-vm:~/Desktop/Ansible2/webserver$ nano inventory.ini
```

Created inventory.ini file

```
  GNU nano 6.2                                              inventory.ini
[webservers]
worker1 ansible_host=192.168.153.131 ansible_user=worker1 ansible_password=root@123 ansible_become_password=root@123
worker2 ansible_host=192.168.153.133 ansible_user=worker2 ansible_password=root@123 ansible_become_password=root@123
```

```
master@master-vm:~/Desktop/Ansible2/webserver$ nano webserver_setup.yml
```
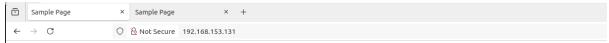
Created webserver_setup.yml playbook

```
  GNU nano 6.2
# webserver_setup.yml
---
- hosts: all
  become: true
  roles:
    - webserver
```

output

Worker 1 output

Welcome to My Web Server!

Worker2 output

Welcome to My Web Server!