

Task 1 :

day4 > Task1 > roles > web > tasks > ! main.yml > {} 2 > when

Ansible Tasks Schema - Ansible tasks file (ansible.json)

```
1  - name: Install nginx web-server
2    apt:
3      name: "{{item.package_name}}"
4      state: "{{item.package_state}}"
5      loop: "{{packages}}"
6      #changed_when: true
7      register: Install_resutl
8
9  - name: Copying my_files
10     copy:
11         src: "{{item}}"
12         dest: /var/www/html/
13         loop: "{{my_files}}"
14         when: Install_resutl.changed == True
15         register: result_copy
16
17  - name: Restart web-server
18     sysvinit:
19         name: nginx
20         state: restarted
21         when: result_copy.changed == True
```

! main.yml U X

day4 > Task1 > roles > web > vars > ! main.yml > ...

Ansible Vars File - Ansible variables File (vars.json)

```
1 packages:
2   - {package_name: "nginx", package_state: "present"}
3
4
5 my_files:
6   - index.html
7   - file.js
8   - file.css
```

Task 2 :

```
! main.yml U X
day4 > Task2 > roles > web > tasks > ! main.yml > ...
Ansible Tasks Schema - Ansible tasks file (ansible.json)
1 - name: Install nginx web-server
2   apt:
3     name: "{{package}}"
4     state: present
5   notify: handler Copying
6   changed_when: True
7
```

```
! main.yml U X
day4 > Task2 > roles > web > handlers > ! main.yml > ...
Ansible Tasks Schema - Ansible tasks file (ansible.json)
1 - name: handler Copying
2   copy:
3     src: "{{item}}"
4     dest: /var/www/html/"{{item}}"
5     loop: "{{my_files}}"
6     notify: Restart service
7
8
9 - name: Restart service
10  sysvinit:
11    name: "{{package}}"
12    state: restarted
```

Task 3 :

```
! main.yml U X
day4 > Task3 > roles > web > tasks > ! main.yml > {} 1
Ansible Tasks Schema - Ansible tasks file (ansible.json)
1  - name: Install nginx web-server
2    apt:
3      name: "{{ package }}"
4      state: present
5    notify: Copying files
6    changed_when: true
7
8
9  - name: Copying dynamic files
10    template:
11      src: "{{ template_file }}"
12      dest: "/var/www/html/index.html"
13    notify: Restart service
14
```

day4 > Task3 > roles > web > handlers > ! main.yml > {} 1 > {} sysvinit > [abc] s

Ansible Tasks Schema - Ansible tasks file (ansible.json)

```
1  - name: Copying files
2    copy:
3      src: "{{item}}"
4      dest: /var/www/html/"{{item}}"
5      loop: "{{my_files}}"
6      notify: Restart service
7
8
9  - name: Restart service
10     sysvinit:
11       name: "{{package}}"
12       state: restarted
```

day4 > Task3 > roles > web > vars > ! main.yml > template_msg

Ansible Vars File - Ansible variables File (vars.json)

```
1 package: "nginx"
2
3
4
5 my_files:
6   #- {src: "./index.html", dest: "/var/www/html/index.html"}
7   - file.js
8   - file.css
9
10
11 template_file: index.html.j2
12
13
14 temlate_msg:
15   hello from ITI
```

day4 > Task3 > ! web-task3.yml > {} 0 > [] roles

```
1 - name: play1
2   hosts: web-server
3   roles:
4     - web
5
```