common role directory structure

- tasks (a series of tasks are defined here)
- handlers (all handlers are defined here)
- vars (all the variables are defined here)
- meta (It is used to declare role dependences)
- files (all the files put inside this directory)

```
Ansible-Master#tree roles
roles
└── webserver
    ├── files
    │   └── index.html
    ├── handlers
    │   └── main.yml
    ├── tasks
    │   ├── ap_install.yml
    │   ├── cp_files.yml
    │   └── main.yml
    └── vars
        └── main.yml
```

```
#cat playbooks/myrole.yml
  - hosts: ubnt
    become: yes
    roles:
      - webserver
#cd playbooks
# mkdir –p roles/webserver/{files,handlers,tasks,vars}
#vi roles/webserver/tasks/main.yml
---
- include: ap_install.yml
- include: cp_files.yml
```

```
#vi roles/webserver/tasks/ap_install.yml
- name: Install Web Server
  apt: name={{pack_name}} state=installed
  when: ansible_distribution == "Ubuntu"
  notify:
    - start apache
#vi roles/webserver/tasks/cp_files.yml
- name: files copy
  copy:
    src: index.html
    dest: /var/www/html/index.html
```

```
#vi roles/webserver/handlers/main.yml
- name: start apache
  service: name={{pack_name}} state=started
#vi roles/webserver/vars/main.yml
pack_name: apache2
#vi roles/webserver/files/index.html
<h1> Hello World </h1>
<h2> Good Day </h2>
#ansible-playbook playbooks/myrole.yml
  --syntax-check
#ansible-playbook playbooks/myrole.yml
```