

- 1) Create a directory called **library** by executing the below command

```
mkdir -p library
```

- 2) Go inside the **library** directory by executing the below command

```
cd library
```

- 3) To create a module **firstmodule.py**, type the below mentioned command

```
gedit firstmodule.py
```

- 4) Type the code inside **firstmodule.py** as shown below

```
#!/usr/bin/python
from ansible.module_utils.basic import AnsibleModule

def walk():
    module_args = dict(
        name=dict(type='str', required=True)
    )

    module = AnsibleModule(argument_spec=module_args)

    result = {"changed": False, "message": f"Welcome, {module.params['name']}!"}
    module.exit_json(**result)

if __name__ == '__main__':
    walk()
```

Save and close the file

- 5) To come out of the **library** directory, type the below command

```
cd ..
```

6) To give execute permission for the module, type the below command

```
chmod +x library/firstmodule.py
```

7) Create an playbook called **secondpb.yml** by executing the below command

```
---
- name: Ansible with one module
  hosts: localhost
  gather_facts: no
  tasks:
    - name: Welcome friends
      firstmodule:
        name: "Ansible"
        register: result

    - name: Show message
      debug:
        msg: "{{ result.message }}"
```

Save and close the file

8) To run the playbook, type the below mentioned command

```
ansible-playbook -i hosts.ini secondpb.yml
```