```
nipun@LAPTOP-1HNTD447:~$ ansible
usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K]
               [-i INVENTORY] [--list-hosts] [-l SUBSET] [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k]
               [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT]
               [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS]
               [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-C] [--syntax-check] [-D]
               [-e EXTRA_VARS] [--vault-id VAULT_IDS]
               [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH]
               [--playbook-dir BASEDIR] [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern
ansible: error: the following arguments are required: pattern

usage: ansible [-h] [--version] [-v] [-b] [--become-method BECOME_METHOD] [--become-user BECOME_USER] [-K]
               [-i INVENTORY] [--list-hosts] [-l SUBSET] [-P POLL_INTERVAL] [-B SECONDS] [-o] [-t TREE] [-k]
               [--private-key PRIVATE_KEY_FILE] [-u REMOTE_USER] [-c CONNECTION] [-T TIMEOUT]
               [--ssh-common-args SSH_COMMON_ARGS] [--sftp-extra-args SFTP_EXTRA_ARGS]
               [--scp-extra-args SCP_EXTRA_ARGS] [--ssh-extra-args SSH_EXTRA_ARGS] [-C] [--syntax-check] [-D]
               [-e EXTRA_VARS] [--vault-id VAULT_IDS]
               [--ask-vault-password | --vault-password-file VAULT_PASSWORD_FILES] [-f FORKS] [-M MODULE_PATH]
               [--playbook-dir BASEDIR] [--task-timeout TASK_TIMEOUT] [-a MODULE_ARGS] [-m MODULE_NAME]
               pattern

Define and run a single task 'playbook' against a set of hosts

positional arguments:
  pattern                 host pattern

optional arguments:
  --ask-vault-password, --ask-vault-pass
                          ask for vault password
```

```
nipun@LAPTOP-1HNTD447:~$ ansible --version
ansible [core 2.11.7]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/home/nipun/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /home/nipun/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible
  python version = 3.8.10 (default, Jun  2 2021, 10:49:15) [GCC 9.4.0]
  jinja version = 2.10.1
  libyaml = True
nipun@LAPTOP-1HNTD447:~$ ansible all -m setup
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match
'all'
nipun@LAPTOP-1HNTD447:~$ ansible-galaxy init --force --offline myrole
- Role myrole was created successfully
nipun@LAPTOP-1HNTD447:~$ ls
AbcImpex        array.sh        file.txt     hello2.txt       lime.txt          myrole          new.txt         practice
Hashmum         banana.txt      folder1      hobsdir          mix.txt           name.sh         nipun_playbook  shscripts
Zing            cat             git_test     homecontents.txt mycommands.sh     new             parent          test2
allcontent.txt  employees.txt   hello.txt    lemon.txt        myfileswithvars.sh new.sh.save    people.txt      world
nipun@LAPTOP-1HNTD447:~$ cd myrole
nipun@LAPTOP-1HNTD447:~/myrole$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
nipun@LAPTOP-1HNTD447:~/myrole$ tree myrole
myrole [error opening dir]

0 directories, 0 files
nipun@LAPTOP-1HNTD447:~/myrole$ tree
.
└── README.md
```

```
nipun@LAPTOP-1HNTD447: ~/myrole                                           —  □  ✕
nipun@LAPTOP-1HNTD447:~/myrole$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
nipun@LAPTOP-1HNTD447:~/myrole$ tree myrole
myrole [error opening dir]

0 directories, 0 files
nipun@LAPTOP-1HNTD447:~/myrole$ tree
.
├── README.md
├── defaults
│   └── main.yml
├── files
├── handlers
│   └── main.yml
├── meta
│   └── main.yml
├── tasks
│   └── main.yml
├── templates
├── tests
│   ├── inventory
│   └── test.yml
└── vars
    └── main.yml

8 directories, 8 files
nipun@LAPTOP-1HNTD447:~/myrole$
```

```
nipun@LAPTOP-1HNTD447: ~/nipun_playbook/install-tomcat                    —  □  ✕
nipun@LAPTOP-1HNTD447:~/nipun_playbook$ ls
install-tomcat  nipun_orchestrate.yml  start-tomcat
nipun@LAPTOP-1HNTD447:~/nipun_playbook$ cat nipun_orchestrate.yml
---
- hosts: tomcat-node
  roles:
    - {role: install-tomcat}
    - {role: start-tomcat}
...
nipun@LAPTOP-1HNTD447:~/nipun_playbook$ cd install-tomcat
nipun@LAPTOP-1HNTD447:~/nipun_playbook/install-tomcat$ ls
README.md  defaults  files  handlers  meta  tasks  templates  tests  vars
nipun@LAPTOP-1HNTD447:~/nipun_playbook/install-tomcat$ cat tasks/main.yml
---
# Install nipun artifacts
-
    block:
      - name: Install Tomcat Artifacts
        action: >
          yum name = "demo-tomcat-1" state = present
        register: output

    always:
      - debug:
          msg:
            - Install Tomcat artifacts tasks ended with message: "{{ output }}"
            - Installed Tomcat artifacts: "{{ output.changed }}"

nipun@LAPTOP-1HNTD447:~/nipun_playbook/install-tomcat$
```

```
                    - Installed Tomcat artifacts: "{{ output.changed }}"
nipun@LAPTOP-1HNTD447:~/nipun_playbook/install-tomcat$ cd ..
nipun@LAPTOP-1HNTD447:~/nipun_playbook$ cat start-tomcat/tasks/main.yml
---
#Start Tomcat


-
 block:
    - name: Start Tomcat
      command: "<path of tomcat>/bin/startup.sh"
      register: output
      become: true

 always:
    - debug:
        msg:
          - "Start Tomcat task ended with message: {{output}}"
          - "Tomcat started - {{output.changed}}"
...
nipun@LAPTOP-1HNTD447:~/nipun_playbook$ sudo ansible-playbook -i hosts nipun_orchestrate.yml -vvv
[sudo] password for nipun:
ansible-playbook [core 2.11.7]
  config file = /etc/ansible/ansible.cfg
  configured module search path = ['/root/.ansible/plugins/modules', '/usr/share/ansible/plugins/modules']
  ansible python module location = /usr/lib/python3/dist-packages/ansible
  ansible collection location = /root/.ansible/collections:/usr/share/ansible/collections
  executable location = /usr/bin/ansible-playbook
  python version = 3.8.10 (default, Jun  2 2021, 10:49:15) [GCC 9.4.0]
  jinja version = 2.10.1
```

```
  libyaml = True
Using /etc/ansible/ansible.cfg as config file
host_list declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
Skipping due to inventory source not existing or not being readable by the current user
script declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
auto declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
Skipping due to inventory source not existing or not being readable by the current user
yaml declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
Skipping due to inventory source not existing or not being readable by the current user
ini declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
Skipping due to inventory source not existing or not being readable by the current user
toml declined parsing /home/nipun/nipun_playbook/hosts as it did not pass its verify_file() method
[WARNING]: Unable to parse /home/nipun/nipun_playbook/hosts as an inventory source
[WARNING]: No inventory was parsed, only implicit localhost is available
[WARNING]: provided hosts list is empty, only localhost is available. Note that the implicit localhost does not match
'all'
ERROR! this task 'yum' has extra params, which is only allowed in the following modules: include_tasks, ansible.legacy.a
dd_host, ansible.builtin.meta, ansible.builtin.raw, include_role, ansible.legacy.script, ansible.legacy.raw, group_by, a
nsible.legacy.group_by, ansible.builtin.win_shell, ansible.builtin.include_role, ansible.builtin.set_fact, ansible.legacy
.meta, ansible.builtin.group_by, ansible.legacy.include, win_command, shell, command, ansible.builtin.script, ansible.bu
iltin.win_command, ansible.builtin.add_host, ansible.windows.win_shell, ansible.legacy.import_tasks, ansible.builtin.inc
lude_vars, ansible.builtin.import_role, include_vars, ansible.windows.win_command, ansible.builtin.win_shell, win_shell,
 ansible.builtin.shell, raw, ansible.legacy.win_command, ansible.legacy.set_fact, ansible.builtin.command, ansible.legac
y.include_tasks, include, ansible.builtin.include_tasks, ansible.legacy.include_role, ansible.legacy.shell, ansible.buil
tin.import_tasks, import_role, meta, add_host, ansible.legacy.command, set_fact, ansible.legacy.include_vars, script, an
sible.legacy.import_role, ansible.builtin.include, import_tasks

The error appears to be in '/home/nipun/nipun_playbook/install-tomcat/tasks/main.yml': line 5, column 9, but may
be elsewhere in the file depending on the exact syntax problem.
```