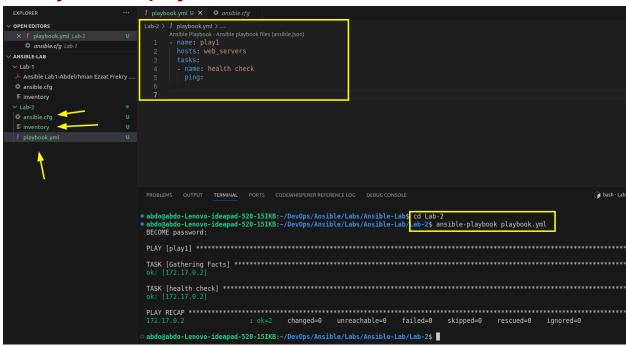
Write your first playbook file



Stop gather_facts and update cache

```
hosts: web servers
   - name: health check
     update cache: true
PROBLEMS OUTPUT TERMINAL PORTS CODEWHISPERER REFERENCE LOG DEBUG CONSOLE
: ok=1 changed=0 unreachable=0 failed=0 skipped=0

    abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$ ansible-playbook playbook.yml

BECOME password:
changed: [172.17.0.2]
changed=1 unreachable=0 failed=0 skipped=0
172.17.0.2
           : ok=1
                                      rescued=0
abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$ [
```

Update cache Install latest nginx Copy index.html from controller to host 1 Restart nginx service

Can you see your index.html file when you hit host 1 on port 80 ?

```
! Mod.yml U X ! Tag.yml U ◇ index.html U
                          ≣ inventory U
                                   ansible.cfg U
                                                                 ξ'n
Lab-2 \gt ! Mod.yml \gt {} 0 \gt [ ] tasks \gt {} 2 \gt {} ansible.builtin.sysvinit \gt \blacksquare! state
    gather_facts: false
hosts: web servers
       state: latest
      ansible.builtin.sysvinit:
        state: restarted
PROBLEMS OUTPUT TERMINAL PORTS CODEWHISPERER REFERENCE LOG DEBUG CONSOLE
changed: [172.17.0.2]
172.17.0.2
               : ok=3 changed=1
                            unreachable=0 failed=0 skipped=0 rescued=0
                                                             ian
ored=0
abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$
```

```
    index.html >  html >  body >  h1

       <!DOCTYPE html>
           <meta charset='utf-8'>
           <meta http-equiv='X-UA-Compatible' content='IE=edge'>
           <title>Page Title</title>
           <meta name='viewport' content='width=device-width, initial-scale=1'>
<link rel='stylesheet' type='text/css' media='screen' href='main.css'>
<script src='main.js'></script>
          <h1>Hello from Abdelrhman </h1>
       </html>>
 PROBLEMS OUTPUT TERMINAL PORTS CODEWHISPERER REFERENCE LOG DEBUG CONSOLE
                                                                                                                         🍞 bash..
 changed: [172.17.0.2]
                                                                                                                         🍞 bash...
 🍞 bash...
                            : ok=3 changed=1 unreachable=0 failed=0 skipped=0 rescued=0 ign
 172.17.0.2
 ored=0
• abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-25 curl 172.17.0.2
<!DOCTYPE html>
 <html>
 <head>
     <meta charset='utf-8'>
     <meta http-equiv='X-UA-Compatible' content='IE=edge'>
                                                                                                check by curl
     <title>Page Title</title>
    <meta name='viewport' content='width=device-width, initial-scale=1'>
<link rel='stylesheet' type='text/css' media='screen' href='main.css'>
<script src='main.js'></script>
 </head>
 <body>
     <h1>Hello from Abdelrhman </h1>
 </body>
  bdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$ [
```

Write simple playbook file

Add two tasks (apt update – apt install nginx)

Add tags to first task: update

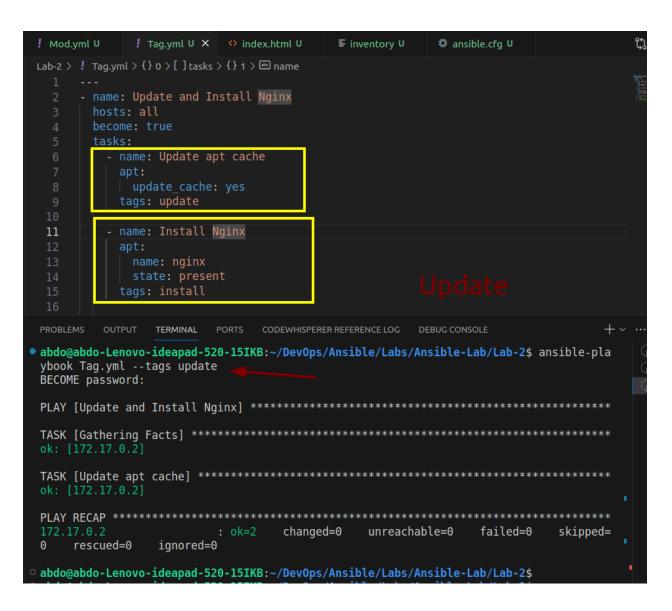
Add tags to second task: install

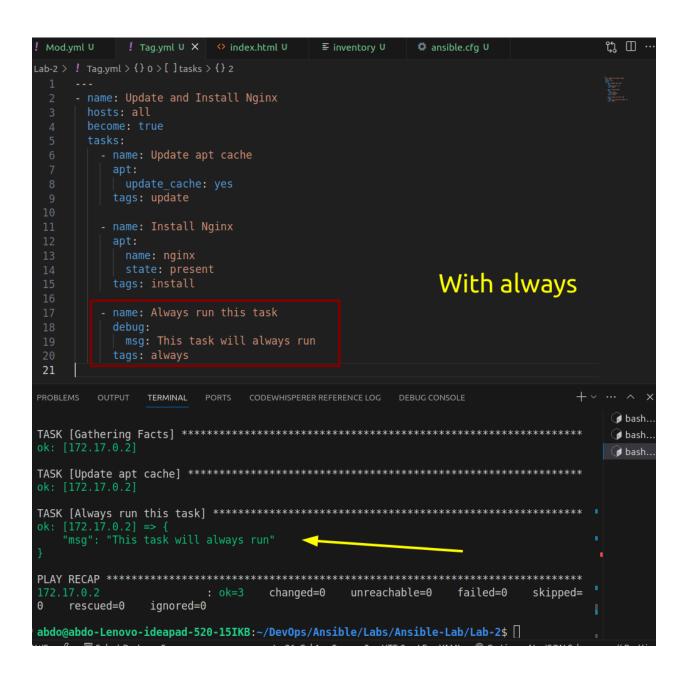
Run only the (apt update) task

Example: ansible-playbook my-playbook.yml --tags update

Add one task with "tags: always" and run the previous command

again



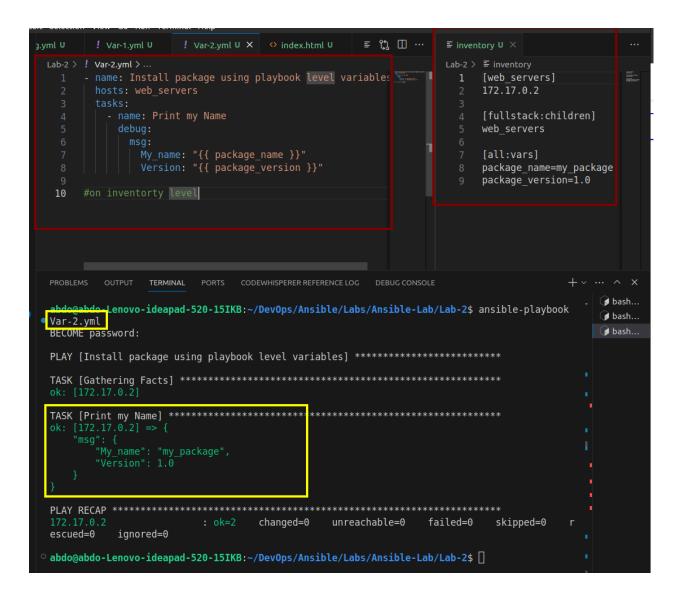


Define these variables (package_name, package_version)
on playbook level
on inventory level
on command line level
Use apt module with the package name and version from your variables

```
! Mod.yml U
            ! Tag.yml U
                        ! Var-1.yml U X ♦ index.html U

    inventory U

                                                               th \square
Lab-2 > ! Var-1.yml > {} 0 > [ ] tasks > {} 0 > {} debug > {} msg > M Version
     - name: Install package using playbook level variables
       hosts: web servers
       vars:
        package_name: my_package
        package_version: 1.0 <
         - name: Print my Name
          debug:
             My name: "{{ package name }}"
             Version: "{{ package version }}"
 11
PROBLEMS
        OUTPUT
               TERMINAL
                      PORTS
                            CODEWHISPERER REFERENCE LOG
                                               DEBUG CONSOLE
                                                               ba:
                                                               🕡 bas
a bas
ok: [172.17.0.2]
"My_name": "my_package",
PLAY RECAP ******
172.17.0.2
                              changed=0 unreachable=0
                                                       failed •
                          ignored=0
     skipped=0 rescued=0
abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-
                           Spaces: 2 UTF-8 LF YAML @ Go Live No JSON Schema 🛷 Pre
AWS 🖇 🚆 Select Postgres Server
```



```
Lab-2 > ! Var-3.yml > ...
     - name: Install package using playbook level variables
       hosts: web servers
        - name: Print my Name
             My_name: "{{ package_name }}"
Version: "{{ package_version }}"
PROBLEMS OUTPUT TERMINAL PORTS CODEWHISPERER REFERENCE LOG DEBUG CONSOLE
• abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$ ansible-playbook Var-3.y
ml --extra-vars "package_name=my_package package_version=1.0"
BECOME password:
TASK [Print my Name] ***************
       "My_name": "my_package",
"Version": "1.0"
PLAY RECAP ***************
                               changed=0
                                         unreachable=0 failed=0 skipped=0
                                                                            rescued=
0 ignored=0
abdo@abdo-Lenovo-ideapad-520-15IKB:~/DevOps/Ansible/Labs/Ansible-Lab/Lab-2$
```