Write an ansible playbook that creates different directories on Linux Machine.

Example:

/var/folder1/folder2

/tmp/folder3/folder4 .. etc

Make sure that all the directories are stored in a Variable and " Loops" are used in creating the directories.

Note: Check if the directories are already present and then create if not.

Steps - The playbook should create multiple directories such as :/var/folder1/folder2 & /tmp/folder3/folder4

But first check for the already existing directories.

Step1- We loop over the specified directories and register their status

Step2 - loop over all the directories that were not present and create them

Inventory.txt

```
osboxes@ansiblecontroller:/assignment3$ cat inventory.txt
target1 ansible_host=192.168.0.102 ansible_ssh_pass=osboxes.org
```

Playbook.yml

```yaml
-
  name: Create different directories on Linux Machine
  hosts: all
  become: yes
  vars:
    directories:
      - /var/folder1/folder2
      - /tmp/folder3/folder4
      - /etc/ansible/roles

  tasks:
    - name: to check Already existing directories
      stat:
        path: "{{ item }}"
      register: dir_stat
      loop: "{{ directories }}"

    - name: Create the new directories
      file:
        path: "{{ item.item }}"
        state: directory
      loop: "{{ dir_stat.results }}"
      when: not item.stat.exists
```

```
~
~
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```

Result

```
osboxes@ansiblecontroller:/assignment3$ ansible-playbook playbook.yml -i inventory.txt --extra-vars "ansible_sudo_pass=osboxes.org"

PLAY [Create different directories on Linux Machine] ****************************************************************

TASK [Gathering Facts] *********************************************************************************************
ok: [target1]

TASK [to check Already existing directories] *********************************************************************
ok: [target1] => (item=/var/folder1/folder2)
ok: [target1] => (item=/tmp/folder3/folder4)
ok: [target1] => (item=/etc/ansible/roles)

TASK [Create the new directories] **********************************************************************************
changed: [target1] => (item={'changed': False, 'stat': {'exists': False}, 'invocation': {'module_args': {'path': '/var/folder1/folder2', 'follow': False, 'get
_md5': False, 'get_checksum': True, 'get_mime': True, 'get_attributes': True, 'checksum_algorithm': 'sha1'}}, 'failed': False, 'item': '/var/folder1/folder2',
'ansible_loop_var': 'item'})
changed: [target1] => (item={'changed': False, 'stat': {'exists': False}, 'invocation': {'module_args': {'path': '/tmp/folder3/folder4', 'follow': False, 'get
_md5': False, 'get_checksum': True, 'get_mime': True, 'get_attributes': True, 'checksum_algorithm': 'sha1'}}, 'failed': False, 'item': '/tmp/folder3/folder4',
'ansible_loop_var': 'item'})
changed: [target1] => (item={'changed': False, 'stat': {'exists': False}, 'invocation': {'module_args': {'path': '/etc/ansible/roles', 'follow': False, 'get_m
d5': False, 'get_checksum': True, 'get_mime': True, 'get_attributes': True, 'checksum_algorithm': 'sha1'}}, 'failed': False, 'item': '/etc/ansible/roles', 'an
sible_loop_var': 'item'})

PLAY RECAP *********************************************************************************************************
target1                    : ok=3    changed=1    unreachable=0    failed=0    skipped=0    rescued=0    ignored=0

osboxes@ansiblecontroller:/assignment3$
```