**Exercise: The 'Shell' Module**

1. Verify that your ansible installation is available by displaying the version of ansible while logged in as the 'user' user.

[test@tcox3 ~]$ ansible --version

ansible 1.9.2

  configured module search path = None

2. Run the ansible command that lists all of the hosts configured in your control server 'hosts' file for the system.

[test@tcox3 ~]$ ansible all --list-hosts

    tcox5.mylabserver.com

    localhost

    tcox4.mylabserver.com

3. Create a playbook, using the 'shell' module that accomplishes the following:

- Uses SSH

- Logs in to the remote system as 'test' user

- Connects to one server or group from Step #2 above

- The playbook runs as 'sudo'

- Skip gathering remote facts

- Execute the remote command 'uptime'. Provide arguments to that command by indicating the 'logs' directory should be changed to, indicate that the command creates a file called 'uptime.log' in that 'logs' directory.

[test@tcox3 Playbooks]$ vim shell.yml

[test@tcox3 Playbooks]$ cat shell.yml

--- # SHELL MODULE EXAMPLE

- hosts: apacheweb

  user: test

  sudo: sudo

  connection: ssh

  gather\_facts: no

  tasks:

    - name: Executing a remote command - uptime

      shell: /usr/bin/uptime >> uptime.log

      args:

        chdir: logs/

        creates: uptime.log

4. Run the playbook and display the results.

[test@tcox3 Playbooks]$ ansible-playbook shell.yml

PLAY [apacheweb] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

TASK: [Executing a remote command - uptime] \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

ok: [tcox4.mylabserver.com]

PLAY RECAP \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

tcox4.mylabserver.com      : ok=1    changed=0    unreachable=0    failed=0