



Built-in Input Function – Lab Task

Lab Task

- Create a python script called as Lab11.py in the /home/rack102-ubuntu/Desktop/rohit directory of the Ubuntu machine.
- This script must accomplish the following:
 - Ask for an input from the user, for example, “Enter the router show command you want to display?”
 - Ask for an input from the user, for example, “Enter the firewall show command you want to display?”
 - Connect to each device (R1, R2, FW1)
 - Print the output requested.
 - Ensure the script asks for a username and password to connect to the devices.
 - You must use a For Loop and a Function to achieve this task.
 - Your task is complete once you have matched the output.

Lab Task

```
rack102-ubuntu@rack102ubuntu-virtual-machine:~/Desktop/rohit$ python3 Lab11.py
```

```
Enter the router show command you want to display? show ip int brief
```

```
Enter the firewall show command you want to display? show int ip brief
```

```
Username: cisco
```

```
Password:
```

```
This is the output of Rack102-R1
```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet1	10.8.102.100	YES	manual	up	up
GigabitEthernet2	unassigned	YES	manual	administratively down	down
GigabitEthernet3	10.0.102.1	YES	manual	up	up
Loopback10	111.111.111.111	YES	manual	up	up

```
This is the output of Rack102-R2
```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet1	10.8.102.103	YES	manual	up	up
GigabitEthernet2	10.0.102.6	YES	manual	up	up
GigabitEthernet3	unassigned	YES	NVRAM	administratively down	down

```
This is the output of Rack102-FW1
```

Interface	IP-Address	OK?	Method	Status	Protocol
GigabitEthernet0/0	10.0.102.2	YES	manual	up	up
GigabitEthernet0/1	10.0.102.5	YES	manual	up	up
GigabitEthernet0/2	unassigned	YES	unset	administratively down	up
GigabitEthernet0/3	unassigned	YES	unset	administratively down	up
GigabitEthernet0/4	unassigned	YES	unset	administratively down	up
GigabitEthernet0/5	unassigned	YES	unset	administratively down	up
GigabitEthernet0/6	unassigned	YES	unset	administratively down	up
GigabitEthernet0/7	unassigned	YES	unset	administratively down	up
GigabitEthernet0/8	unassigned	YES	unset	administratively down	up
Internal-Data0/0	169.254.1.1	YES	unset	up	up
Management0/0	10.8.102.102	YES	manual	up	up