

```
21 Returns: RETURNS IF THE CONNECTION WAS SUCCESSFUL TO THE OOPR VM.
22
23 """
24 import paramiko
25 import time
26 import re
27
28 #Open SSH connection to the device
29 def ssh_connection(ip):
30     try:
31         username = "l00169723" #In an automation script read data from file
32         password = "Zozik@11!" #never hard code
33
34
35         print("Establishing a connection...")
36         session = SSHClient = paramiko.SSHClient()
37         session.set_missing_host_key_policy(paramiko.AutoAddPolicy())
38         session.connect(ip.rstrip("\n"), username=username, password=password)
39         connection = session.invoke_shell()
40         connection.send("ls > dir_contents.txt\n") #unix command to list directory contents and save to file
41         time.sleep(1)
42
43         vm_output = connection.recv(65535)
44         if re.search(b"% Invalid input", vm_output):
45             print("There was an error on vm {}".format(ip))
46         else:
47             print("Commands successfully executed on {}".format(ip))
48         session.close()
49     except paramiko.AuthenticationException:
50         print("Authentication Error")
51     ssh_connection("192.168.136.128") # The IP address of VM OOPR.
52
53 if __name__ == '__main__':
```

Run: SSH X

```
D:\PycharmProjects\OOPG-Assignment\Q_3_SSH\venv\Scripts\python.exe D:/PycharmProjects/OOPG-Assignment/Q_3_SSH/SSH.py
Establishing a connection...
Commands successfully executed on 192.168.136.128
Process finished with exit code 0
```