1.Create a file data.txt

* **touch data.txt**

2.Write data to data.txt using redirection operator

* **echo hello > data.txt**

3.Analyze the behaviour by writing the data to data.txt multiple times

* **echo hey > data.txt**
* Data Overwritten

4.Append the data to data.txt

* **echo see you >> data.txt**

5.Create data2.txt,data3.txt and data4.txt

* **touch data2.txt data3.txt data4.txt**

6. Write content to data2.txt,data3.txt and data4.txt using redirection operator

* **echo hello > data2.txt**
* **echo hello > data3.txt**
* **echo hello > data4.txt**

7.Copy content of data2.txt,data3.txt and data4.txt to the data.txt

* **cat data2.txt data3.txt data4.txt > data.txt**

8.List the files start with ‘s’ in your home directory using ls

* **ls s\***

9.List all files and directories that have four characters in their name

* **ls ????**

10.List all files that have any three character in starting but ends with ‘txt’ in home directory

* **ls ???.txt**

11.List all files that starts with number in your home directory

* **ls [0-9]\* ~/**

12.Print HOME variable

* **echo $HOME**

13.Print PATH variable

* **echo $PATH**

14.Assign string to variable ‘x’. Print it using echo

* **x = “hello”**
* **echo $x**

15.Check how many shells are in your system

* **cat /etc/shells | wc -l**

16.Check which shell is default shell for user

* **grep arshi /etc/passwd | cut -d “/” -f5**

17. Login on ssh server test.rebex.net (username=demo ,password=password)

* **ssh demo@test.rebex.net**

18.Logout from there(Use this server for 5 minutes. Its for testing purpose)

* **exit**

19.Use scp command on your system to copy file readme.txt to your system from the test.rebex.net server.

* **scp demo@test.rebex.net:/readme.txt ./**

Optional :

If you do this on your pc:

1.Start ssh server using command sudo systemctl start sshd(if Its not working install openssh server using sudo apt install openssh-server)

* **sudo apt install openssh-server**
* **sudo systemctl start sshd**

2.Now you can login your using your username@localhost or [username@127.0.0.1](mailto:username@127.0.0.1)

* **ssh arshi@localhost**