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2KE20CS032

Assignment 15

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

SSH-PASSWORD LESS

There are three steps to follow

1)Generate a new SSH key pair on local host machine.
2)Copy the public key to remote machine
3)Login to remote server without password

Get the ip a from VM

```
[lusy@localhost ~]$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
       valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
       valid_lft forever preferred_lft forever
2: enp0s5: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 00:1c:42:c1:0b:12 brd ff:ff:ff:ff:ff:ff
    inet 10.211.55.5/24 brd 10.211.55.255 scope global dynamic noprefixroute enp0s5
       valid_lft 1499sec preferred_lft 1499sec
    inet6 fdb2:2c26:f4e4:0:21c:42ff:fec1:b12/64 scope global dynamic noprefixroute
       valid_lft 2591517sec preferred_lft 604317sec
    inet6 fe80::21c:42ff:fec1:b12/64 scope link noprefixroute
       valid_lft forever preferred_lft forever
[lusy@localhost ~]$
```

STEP 1

Note: I have kept empty for both ***passphrase, key fingerprint***

```
kartikhegadi@Kartiks-MacBook-Air ~ % ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (/Users/kartikhegadi/.ssh/id_rsa):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /Users/kartikhegadi/.ssh/id_rsa
kartikhegadi@Kartiks-MacBook-Air ~ % ssh lusy@10.211.55.5
Last login: Sat Aug 12 09:53:52 2023 from 10.211.55.2
[lusy@localhost ~]$
The key's randomart image is:
+---[RSA 3072]----+
|    .. oo    E.. |
|   .ooo.   o . . |
|   . .+o.    o   o|
| . +o.o..o o . o |
|o .o=o.oS =   .  |
|.+oo.o o.+      |
|o .+= o.o       |
| . o=*.         |
|   o+o..        |
+----[SHA256]-----+
kartikhegadi@Kartiks-MacBook-Air ~ % ls .ssh
id_rsa          id_rsa.pub      known_hosts     known_hosts.old
```

STEP 2

```
kartikhegadi@Kartiks-MacBook-Air ~ % ssh-copy-id lusy@10.211.55.5
/usr/bin/ssh-copy-id: INFO: Source of key(s) to be installed: "/Users/kartikhegadi/.ssh/id_rsa.pub"
/usr/bin/ssh-copy-id: INFO: attempting to log in with the new key(s), to filter out any that are already installed
/usr/bin/ssh-copy-id: INFO: 1 key(s) remain to be installed -- if you are prompted now it is to install the new keys
lusy@10.211.55.5's password:

Number of key(s) added:        1

Now try logging into the machine, with:   "ssh 'lusy@10.211.55.5'"
and check to make sure that only the key(s) you wanted were added.
```

STEP 3
(Thus without password we have logined)

```
kartikhegadi@Kartiks-MacBook-Air ~ % ssh lusy@10.211.55.5
Last login: Sat Aug 12 09:53:52 2023 from 10.211.55.2
[lusy@localhost ~]$ |
```