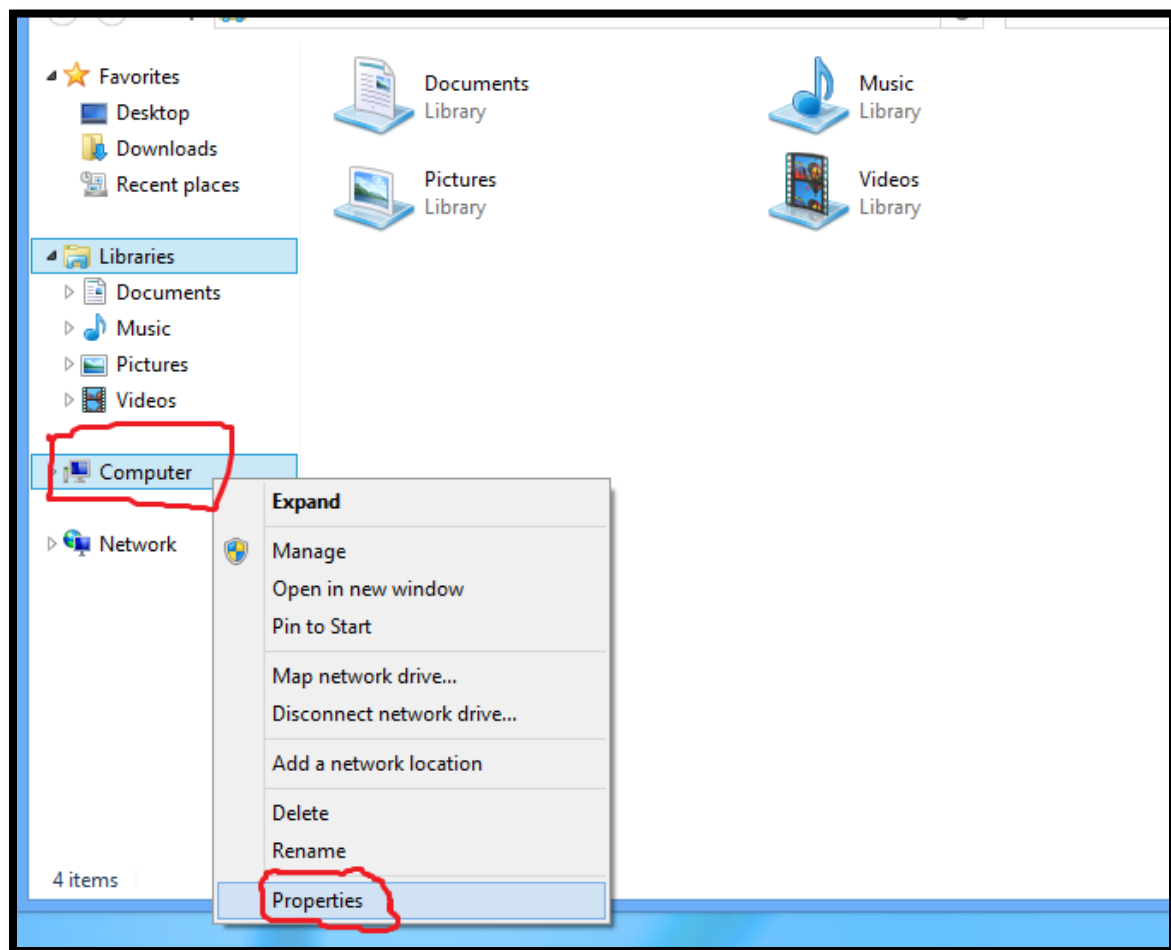
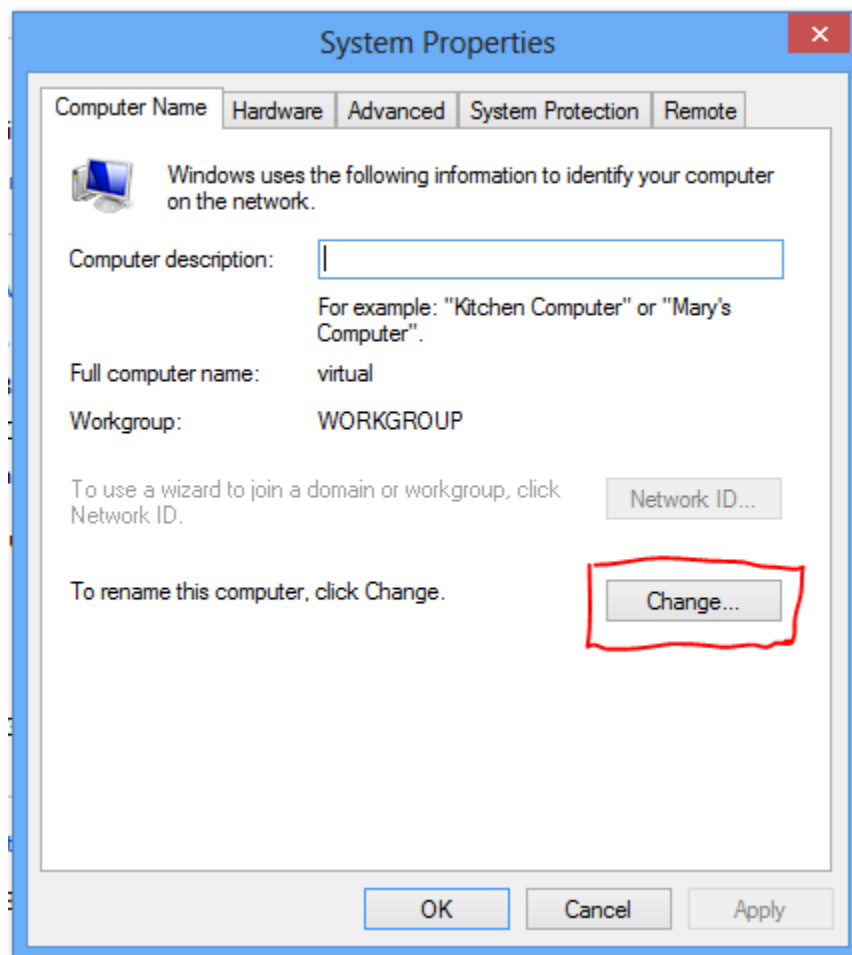
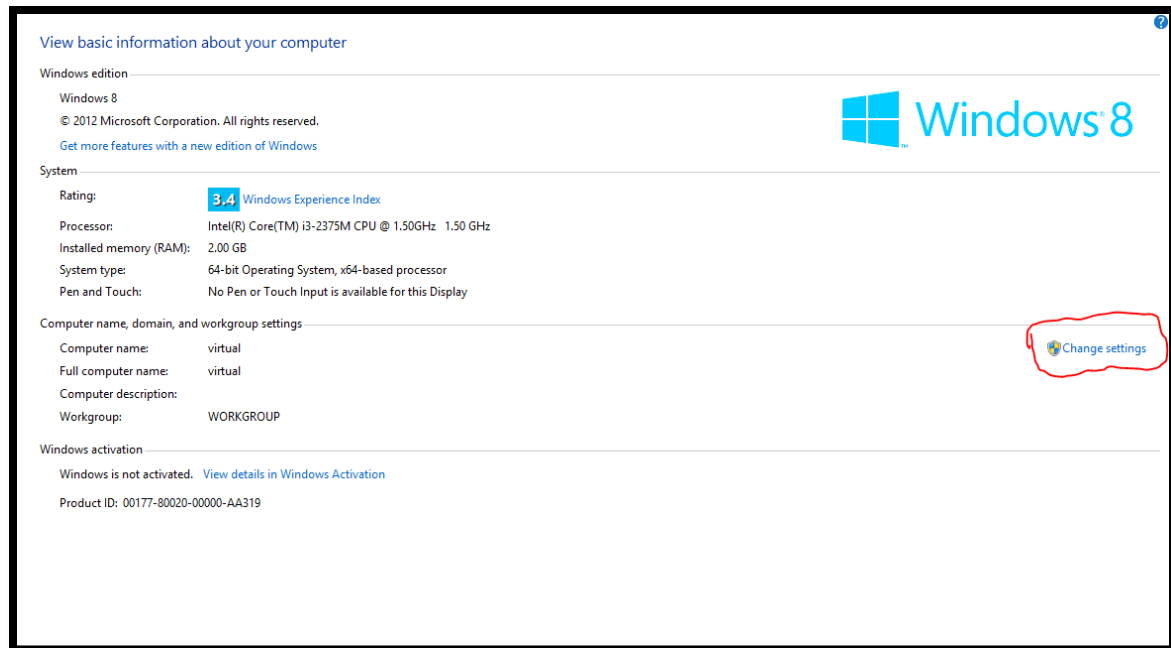


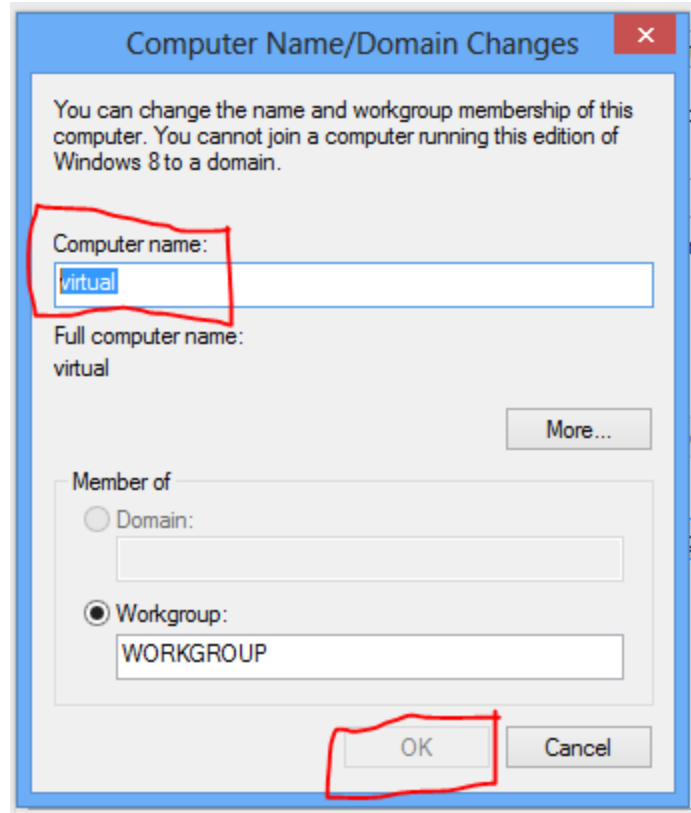
Part 1

1. Open VM

هنغير اسم ال VM، الاسم الجديد: virtual







Click ok

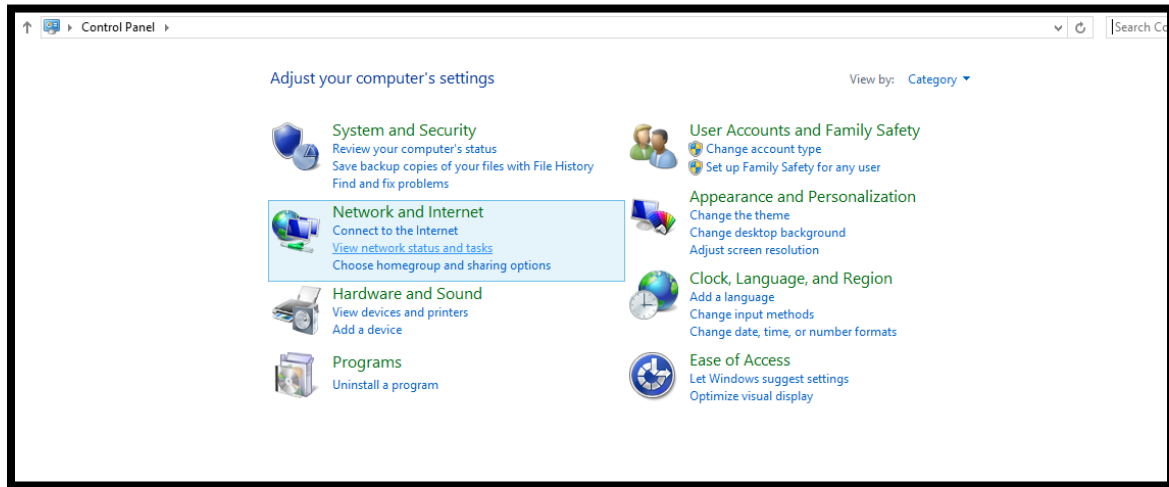
Then restart VM

بعد ما غيرت اسم الجهاز واعادة تشغيل ، هنسطب ال OracleXEUniv.exe

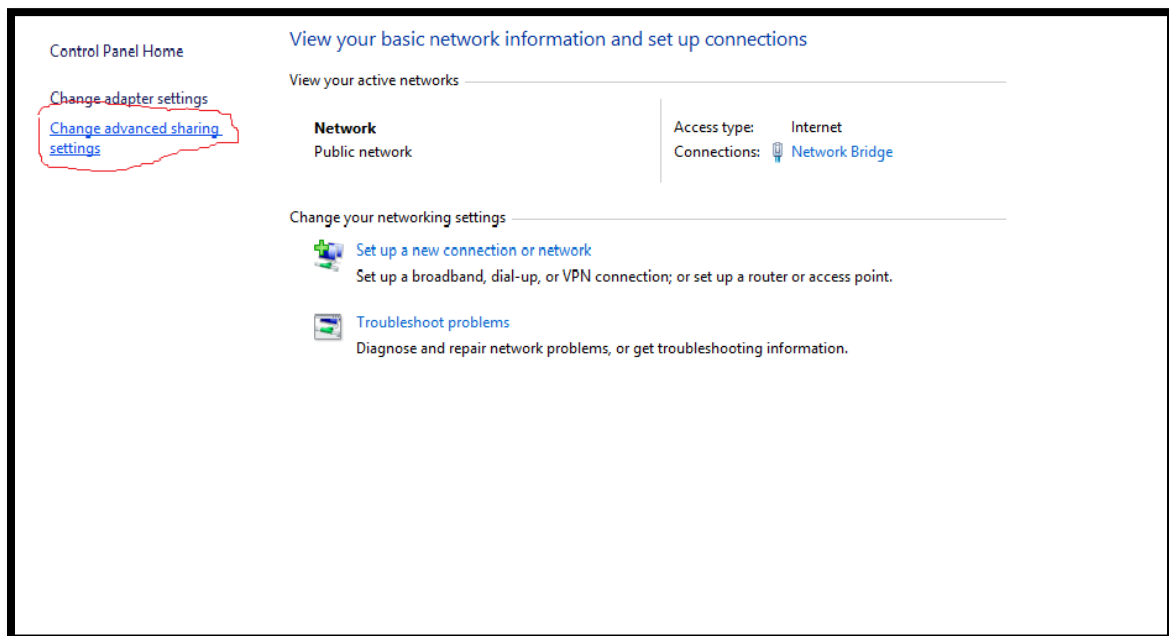
Control panel

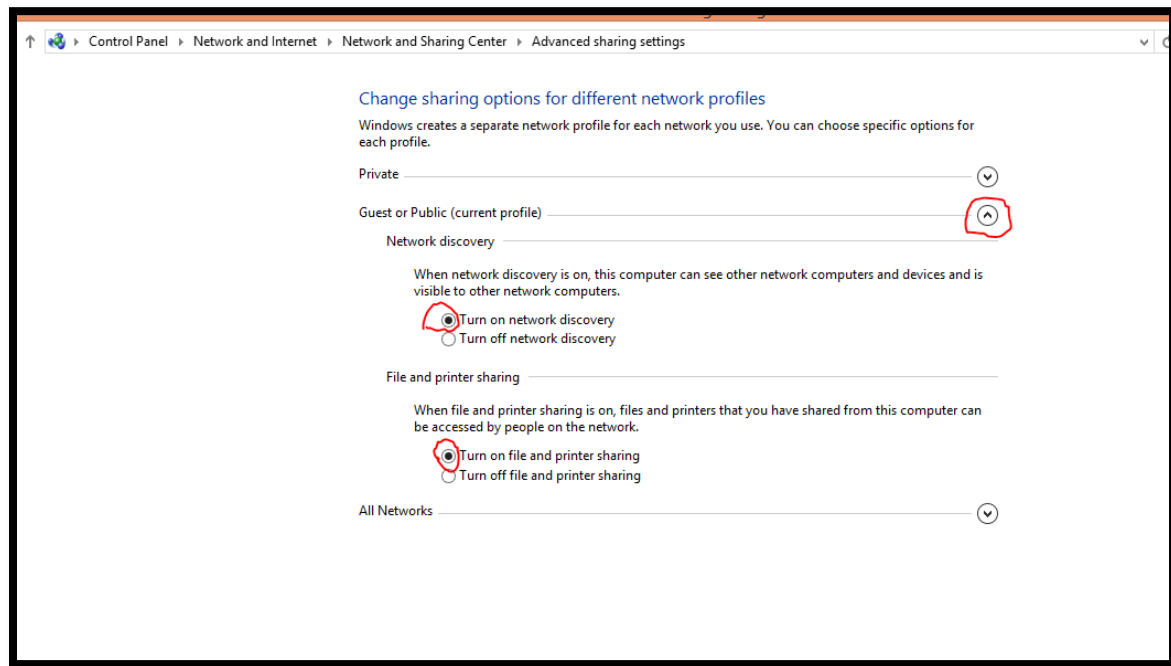
Network and internet

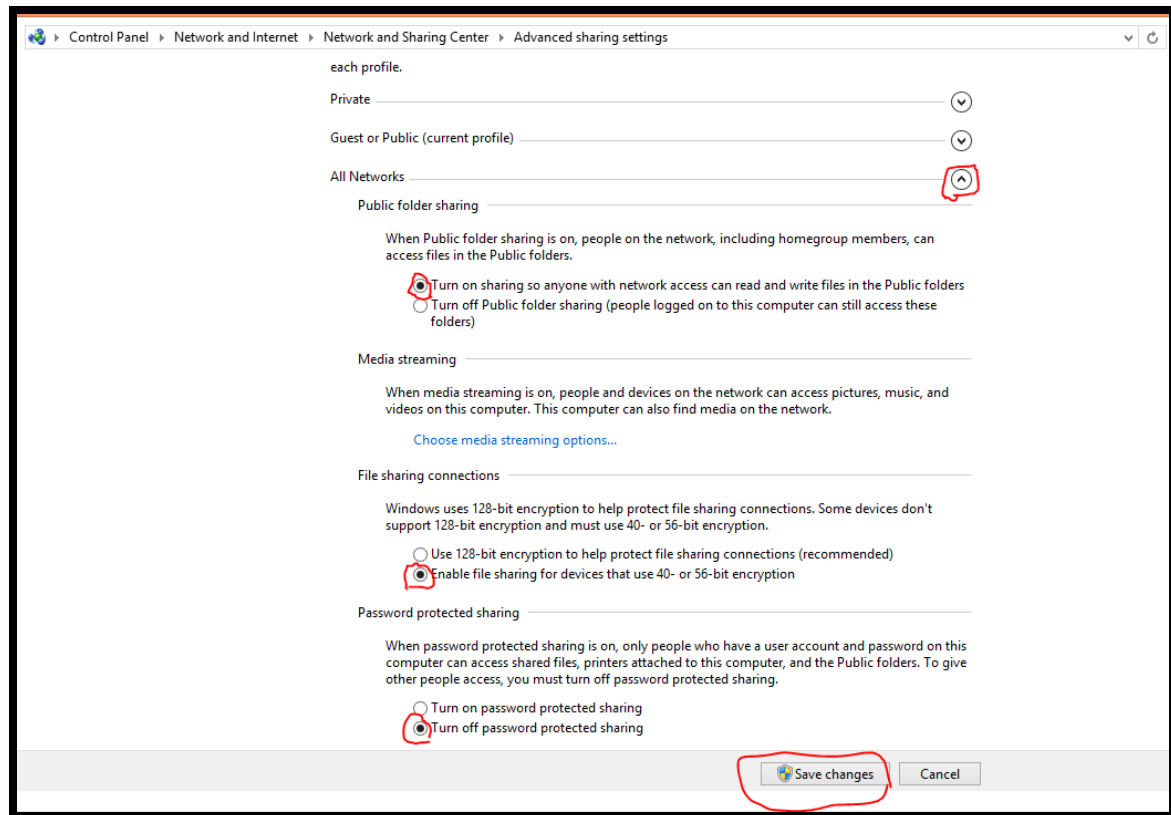
View network status and tasks



Change advanced sharing settings







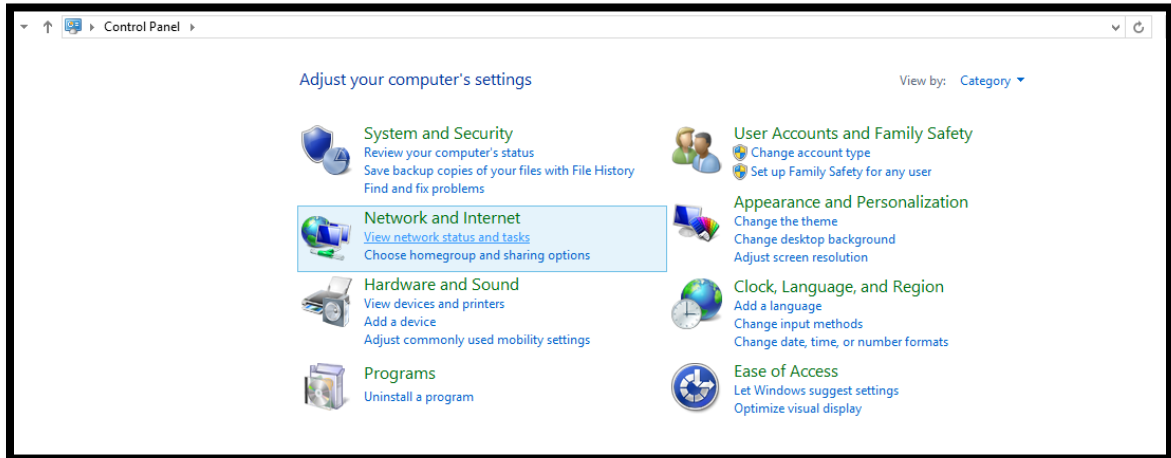
Then click save changes.

1. Open physical device (الجهاز العادي)

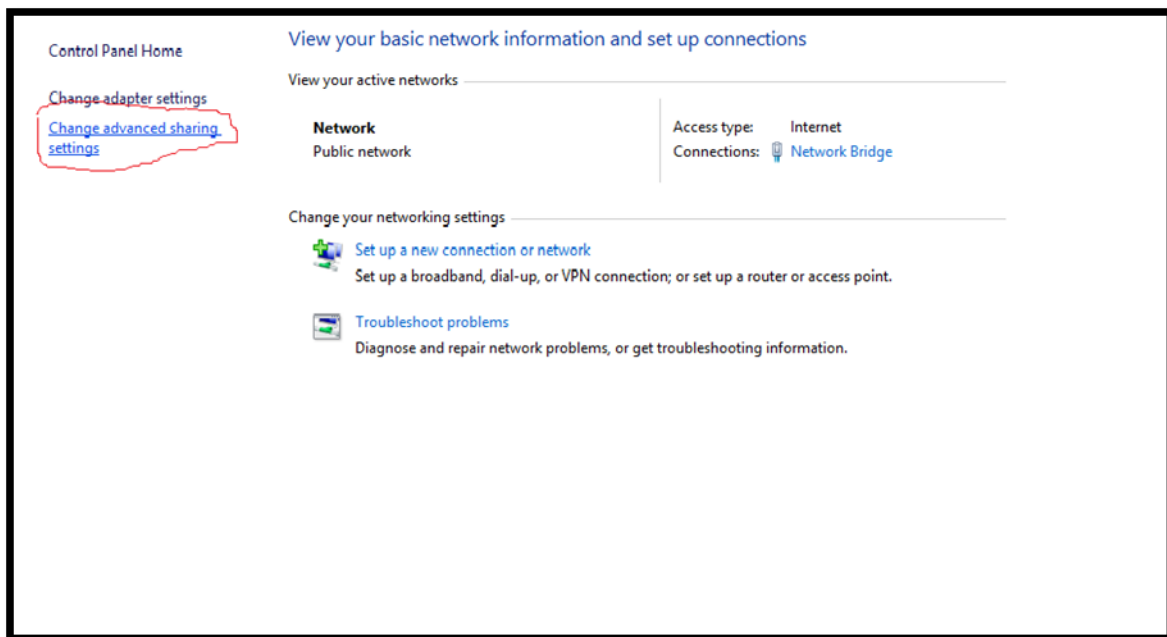
Control panel

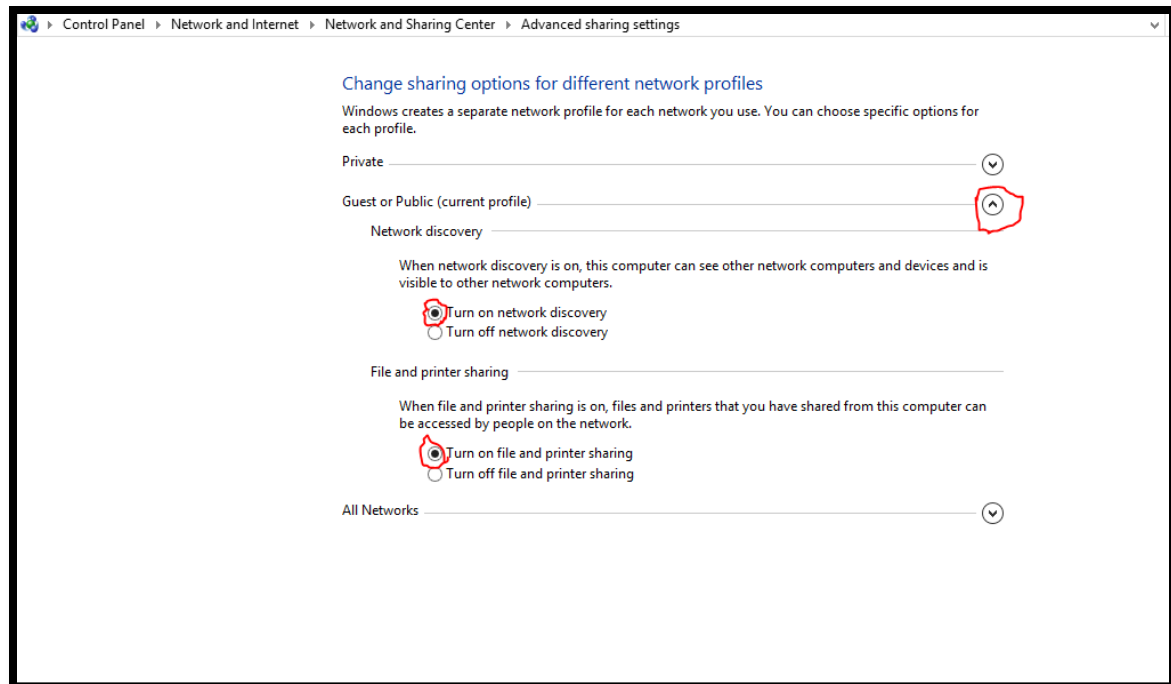
Network and internet

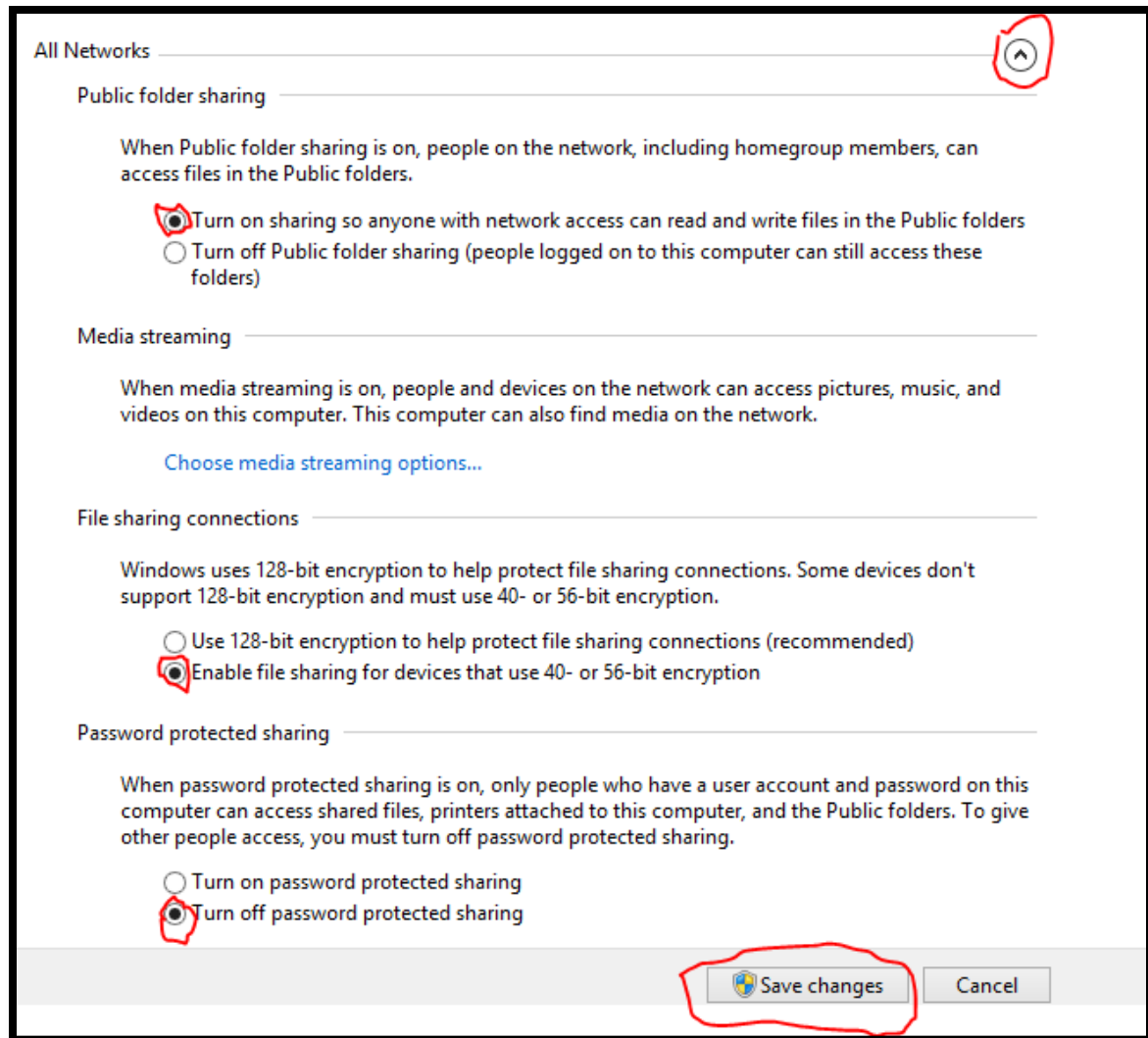
View network status and tasks



Change advanced sharing settings







Then click save changes.

Part 2

“ Connect(ping) between vmware (virtual host) and physical host “

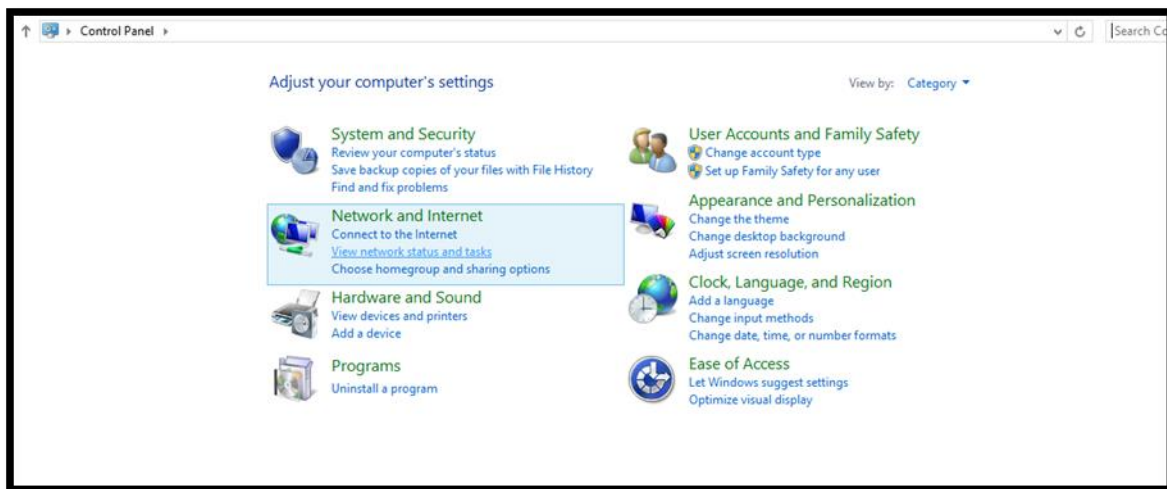
On VM(virtual host)

Step 1

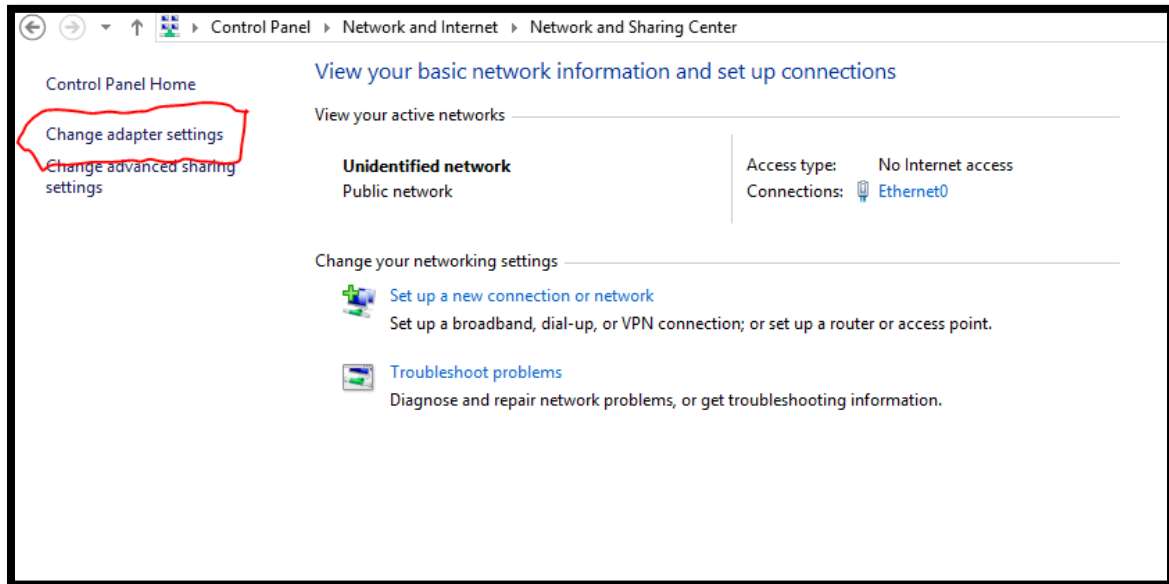
Control panel

Network and internet

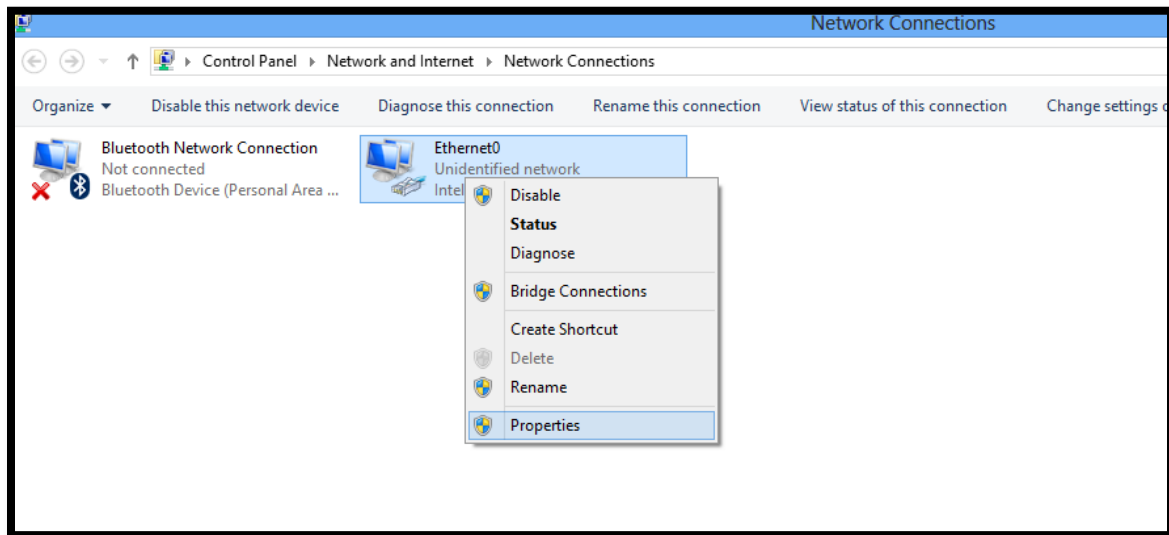
View network status and tasks



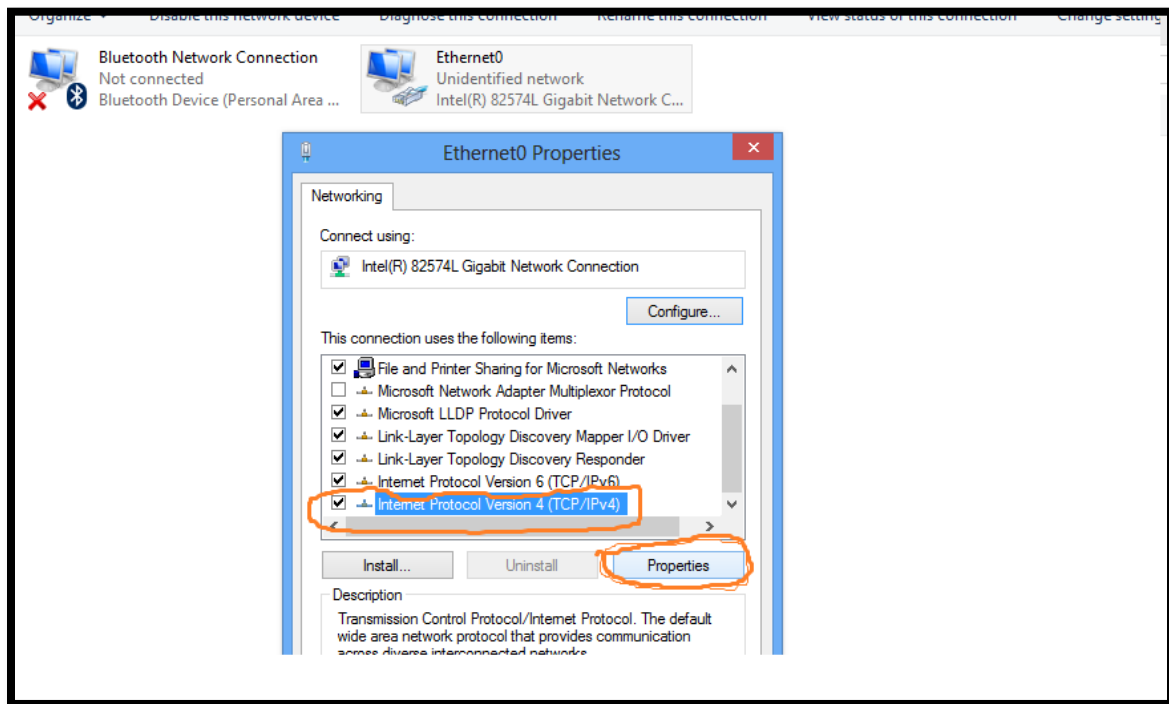
Change adapter settings

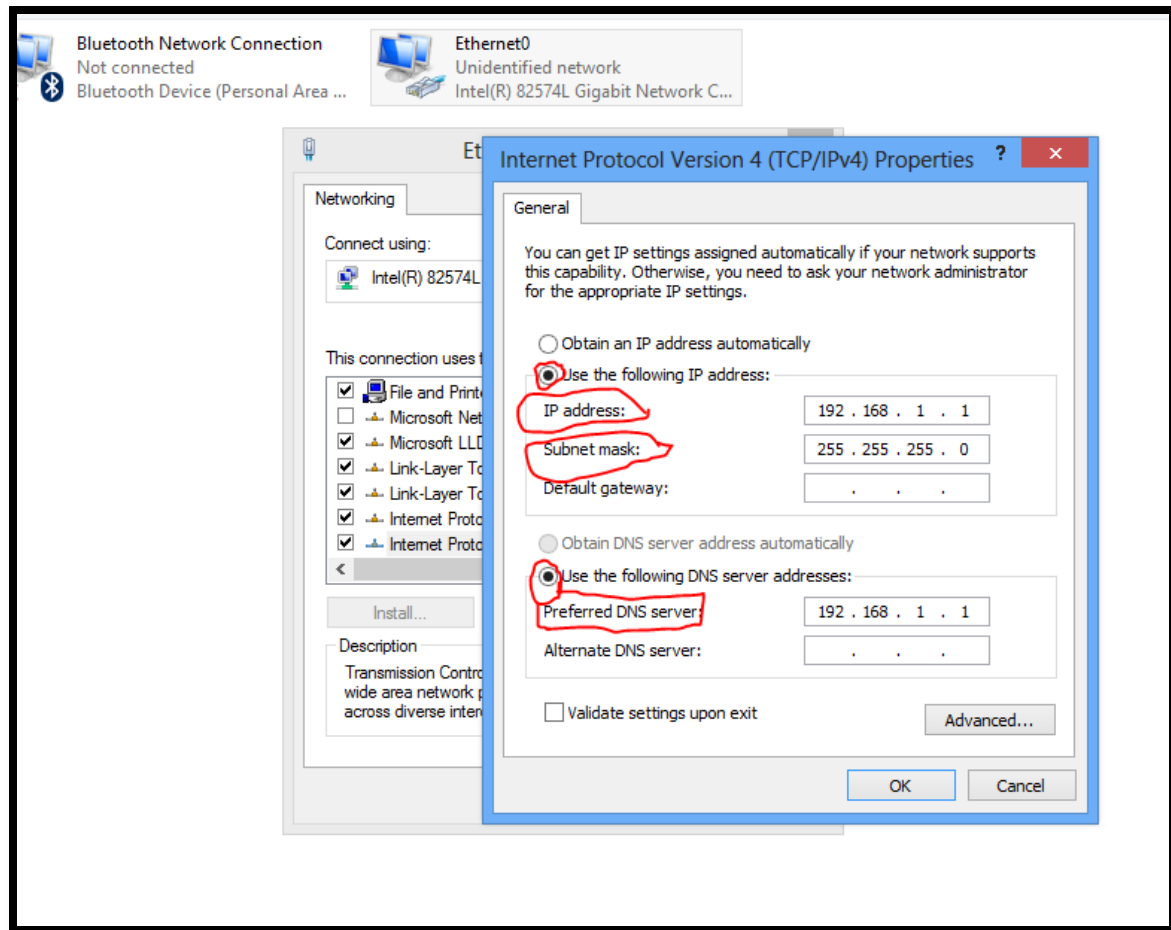


Select properties



Click properties



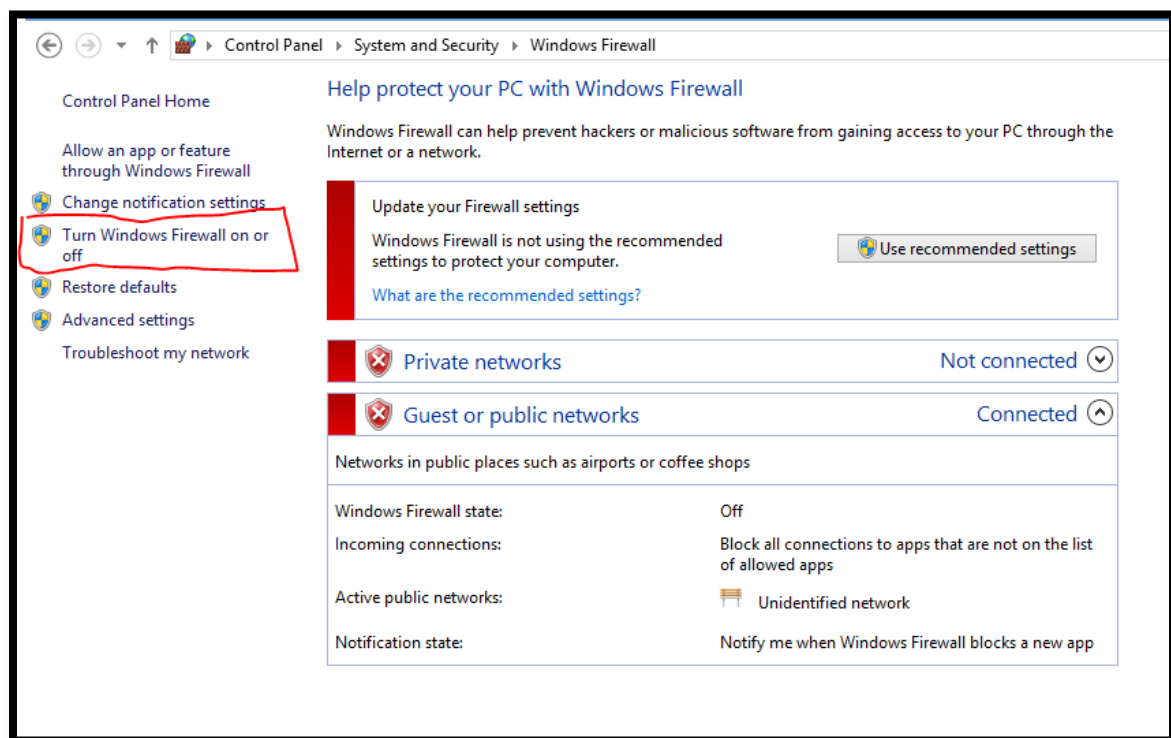
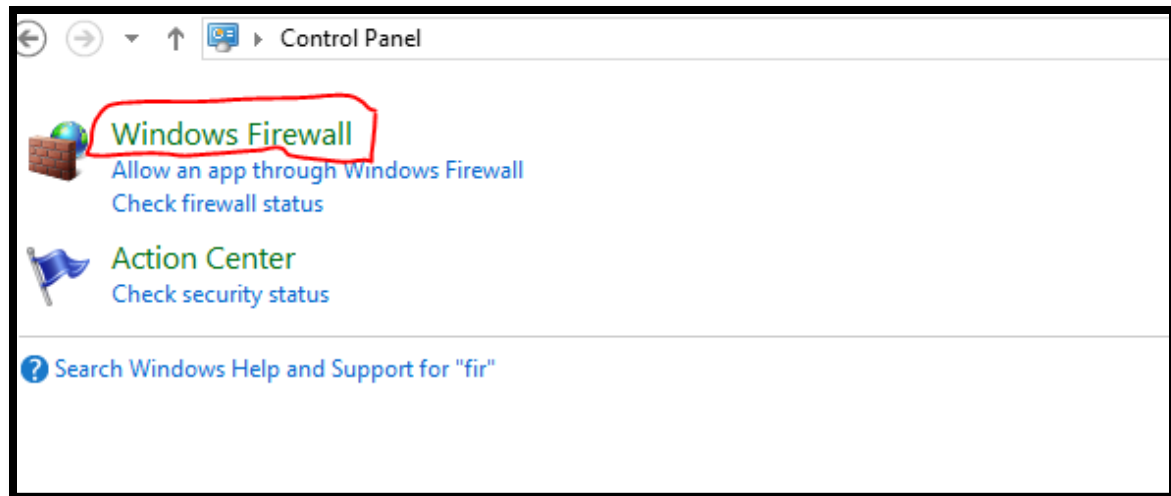


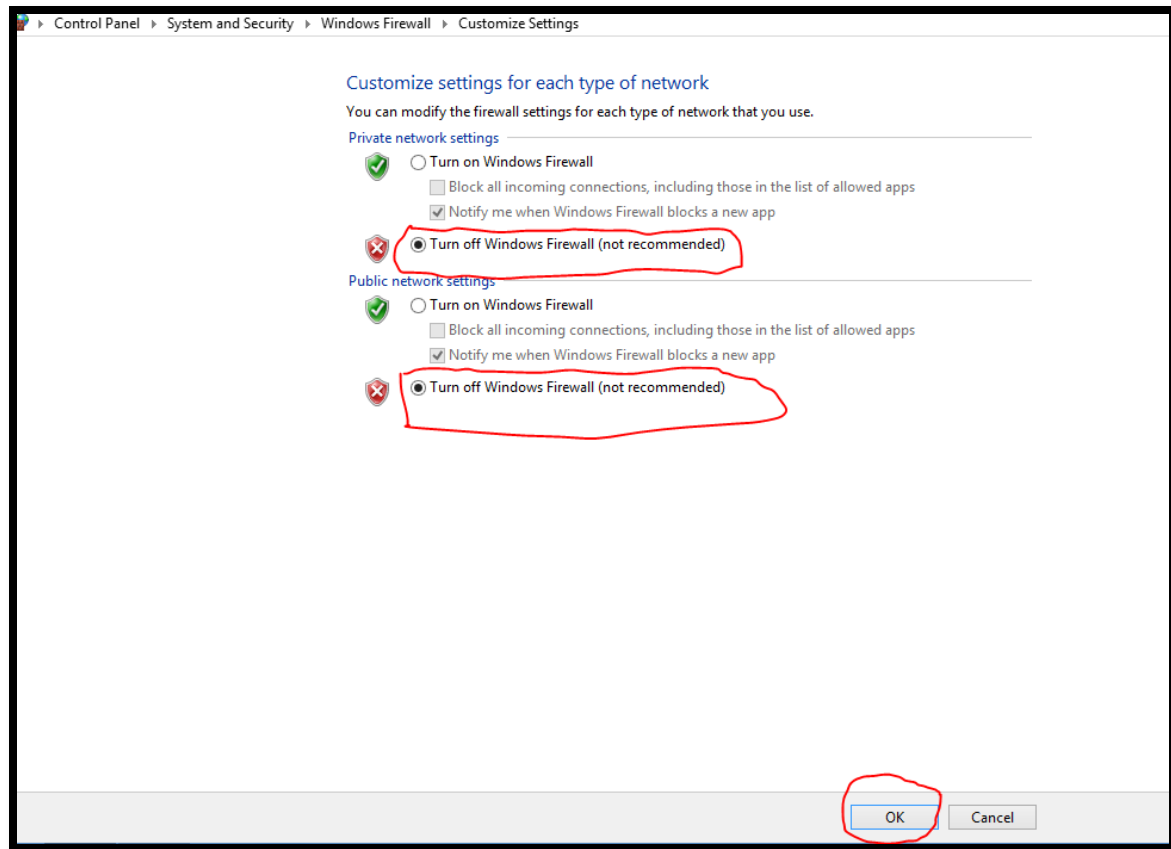
Then click **ok**

Step 2 “Disable firewall”

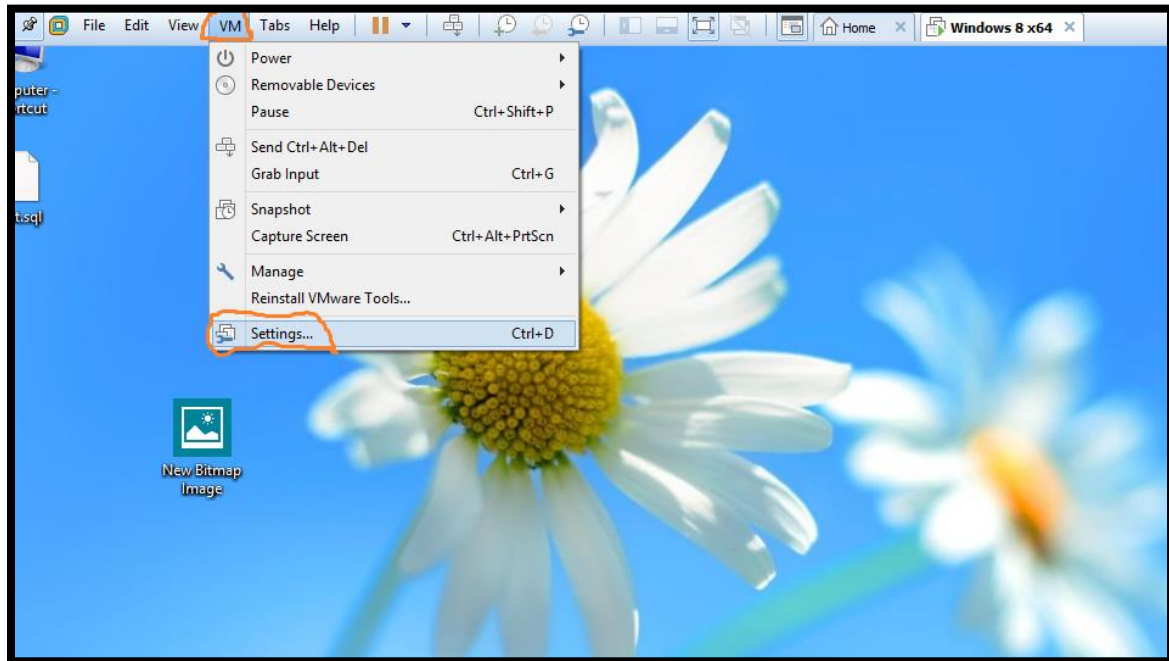
Open control panel

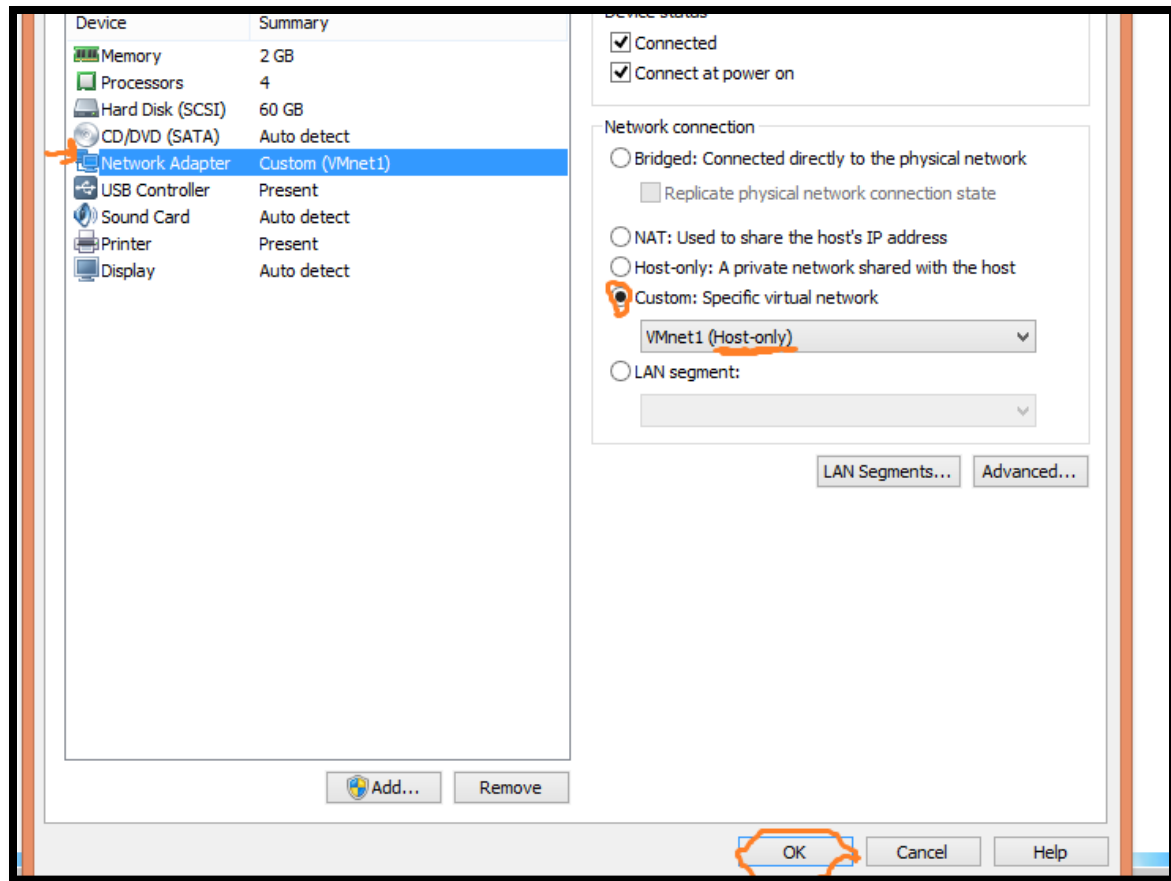
firewall





Step 3



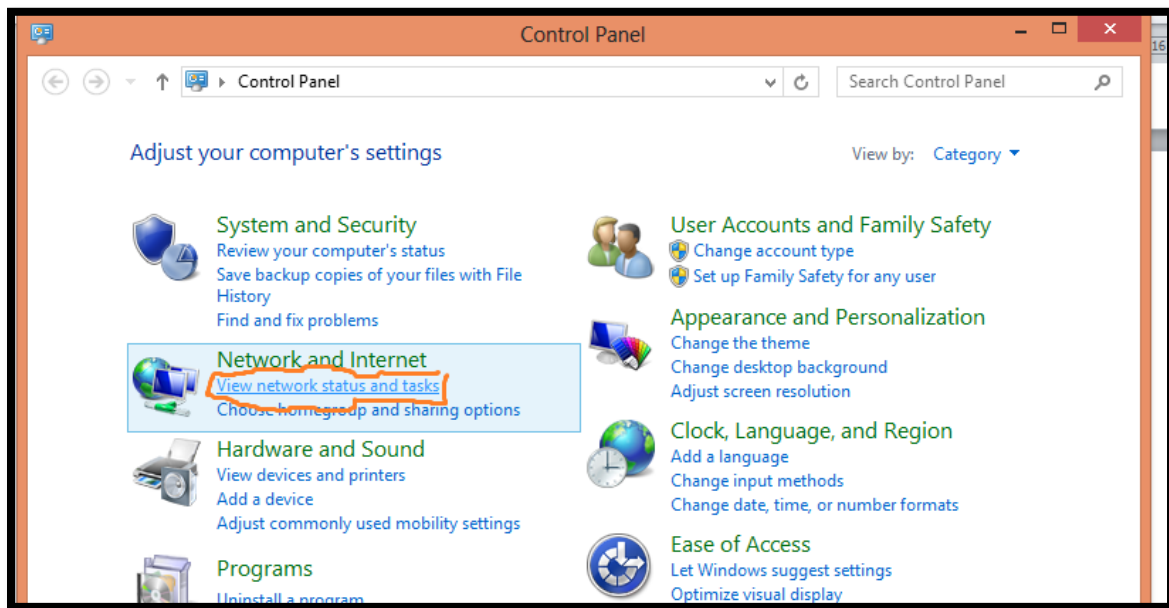


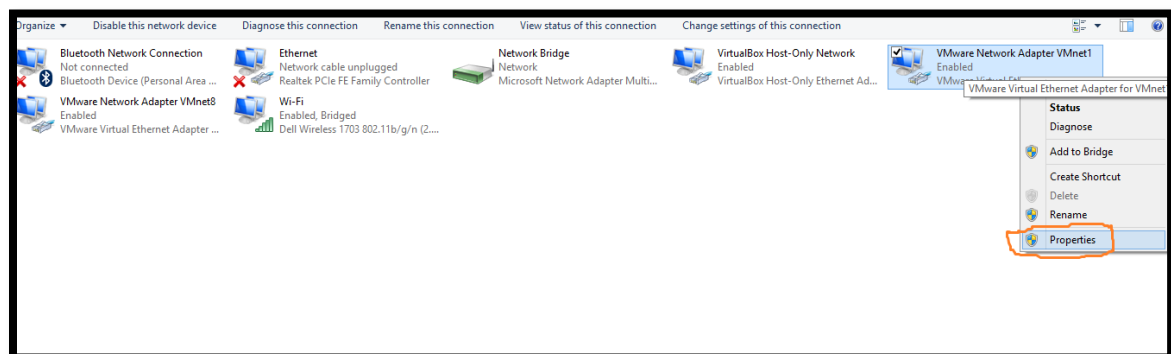
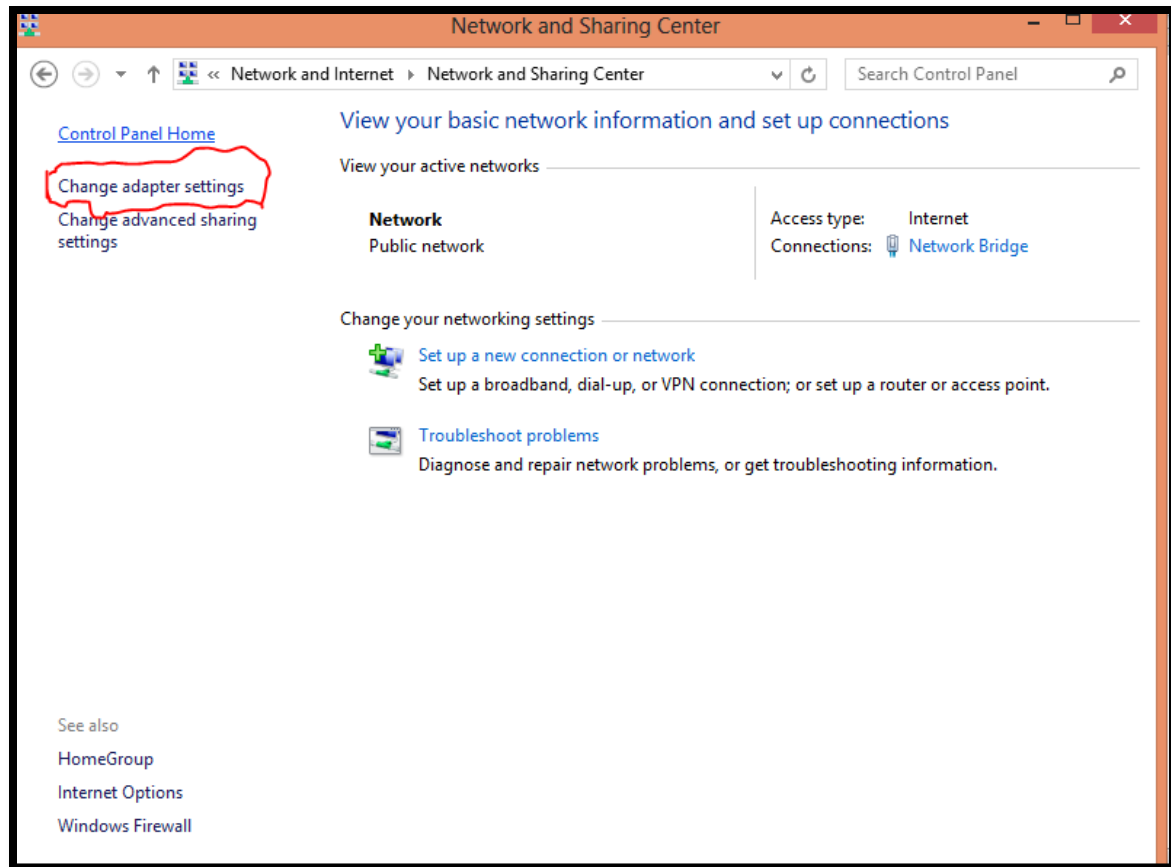
On physical host

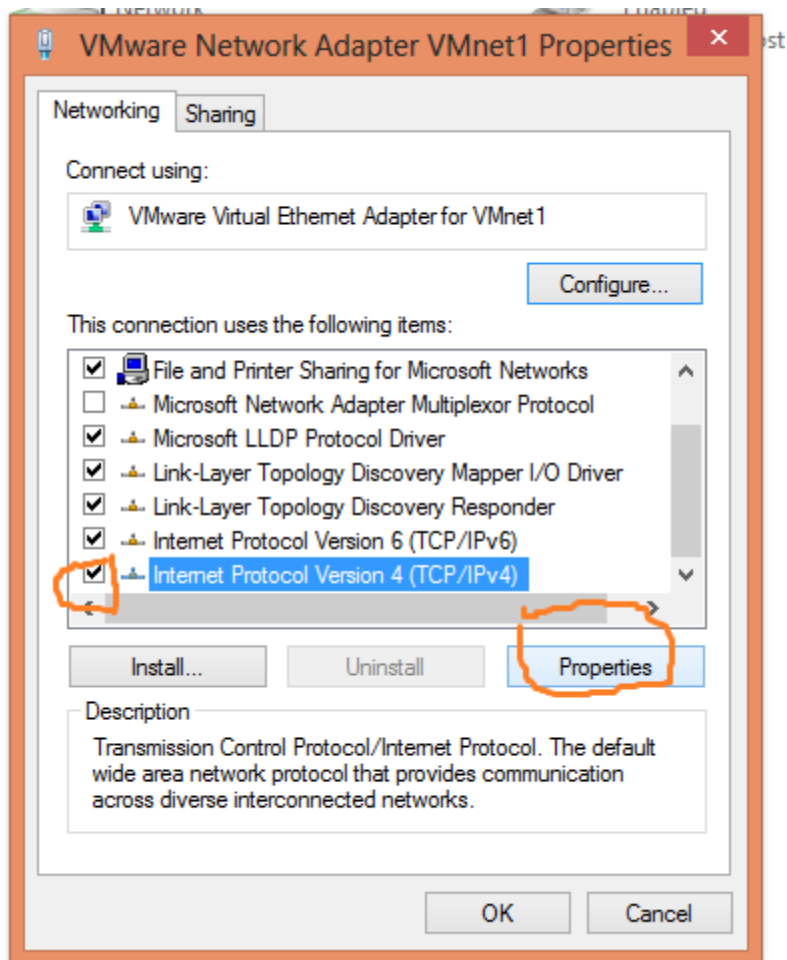
نفس الخطوات التي عملناها على ال vm هنعملها على الجهاز ال physical

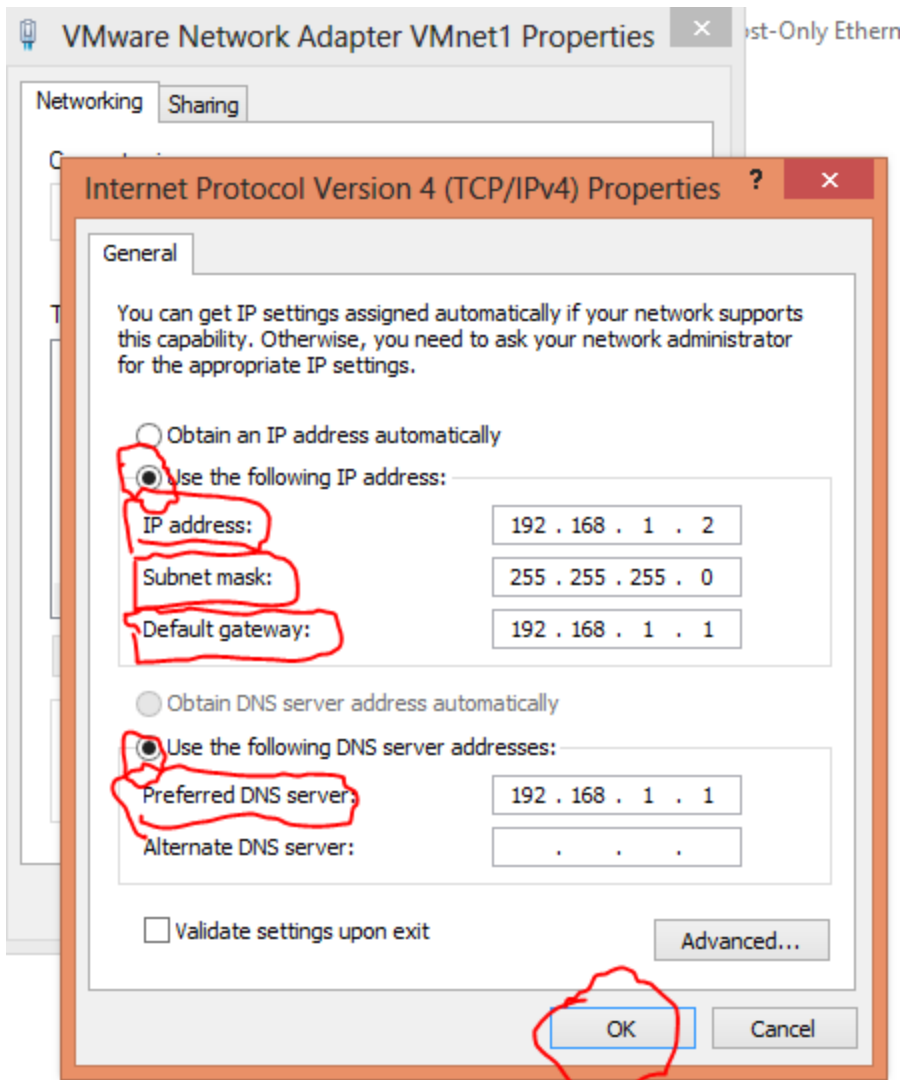
Step 1

Control panel





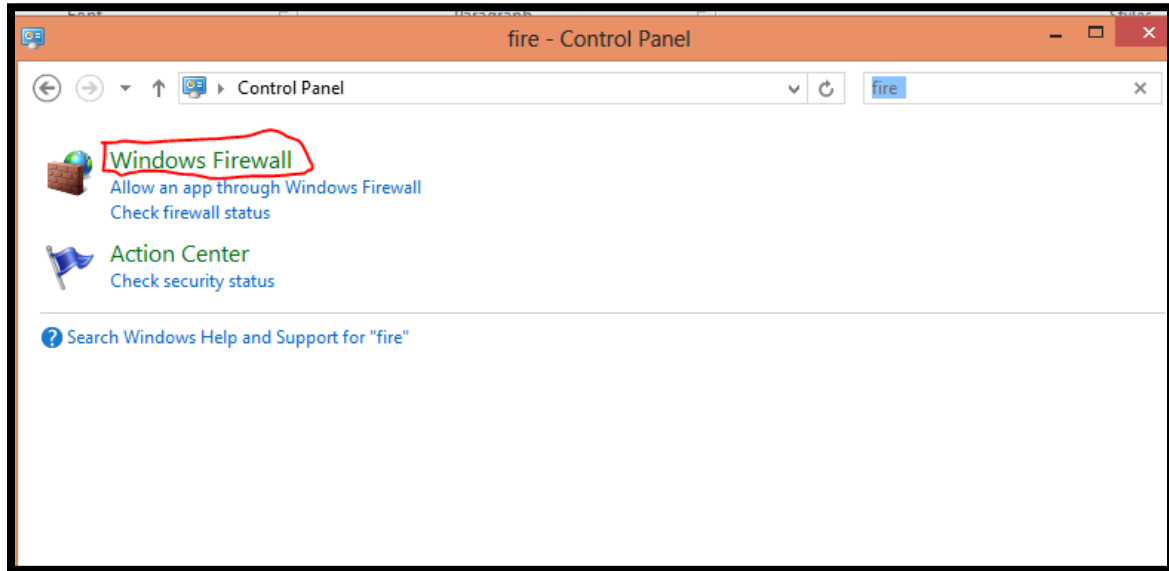


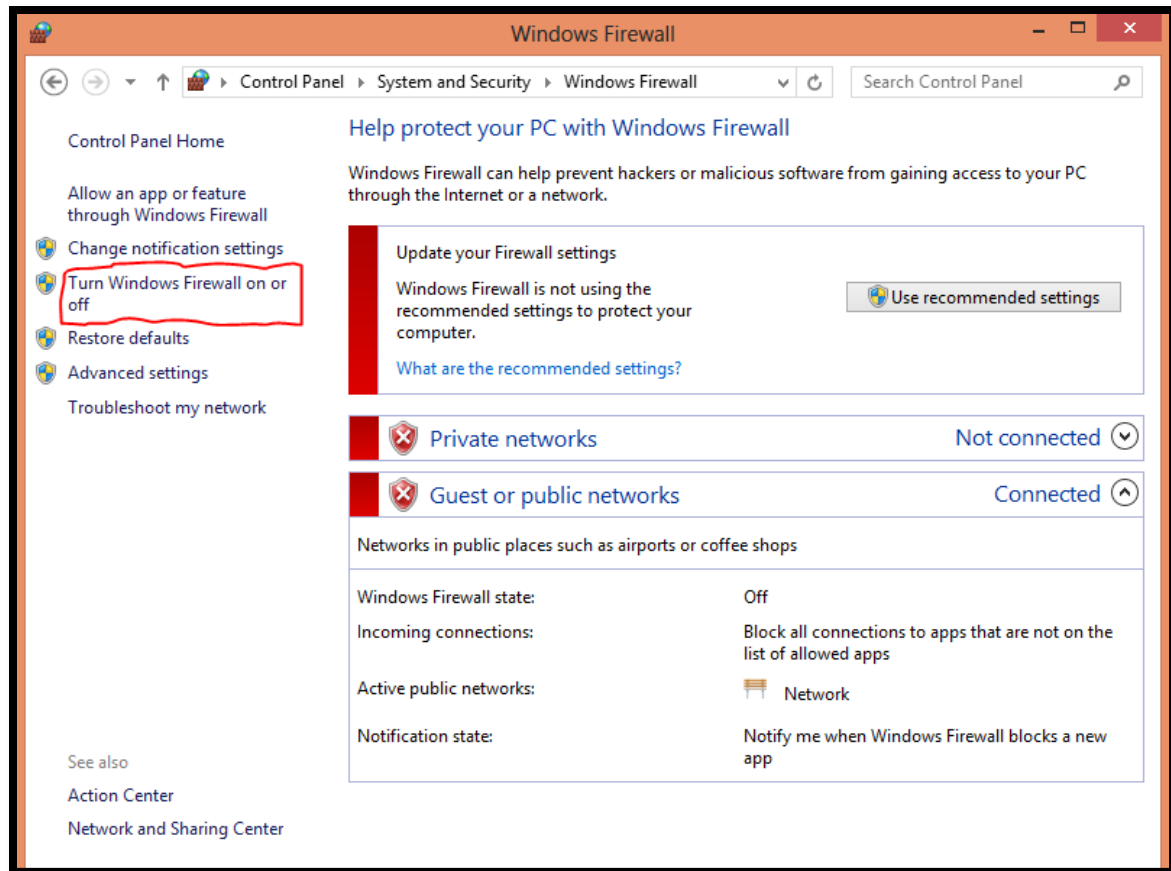


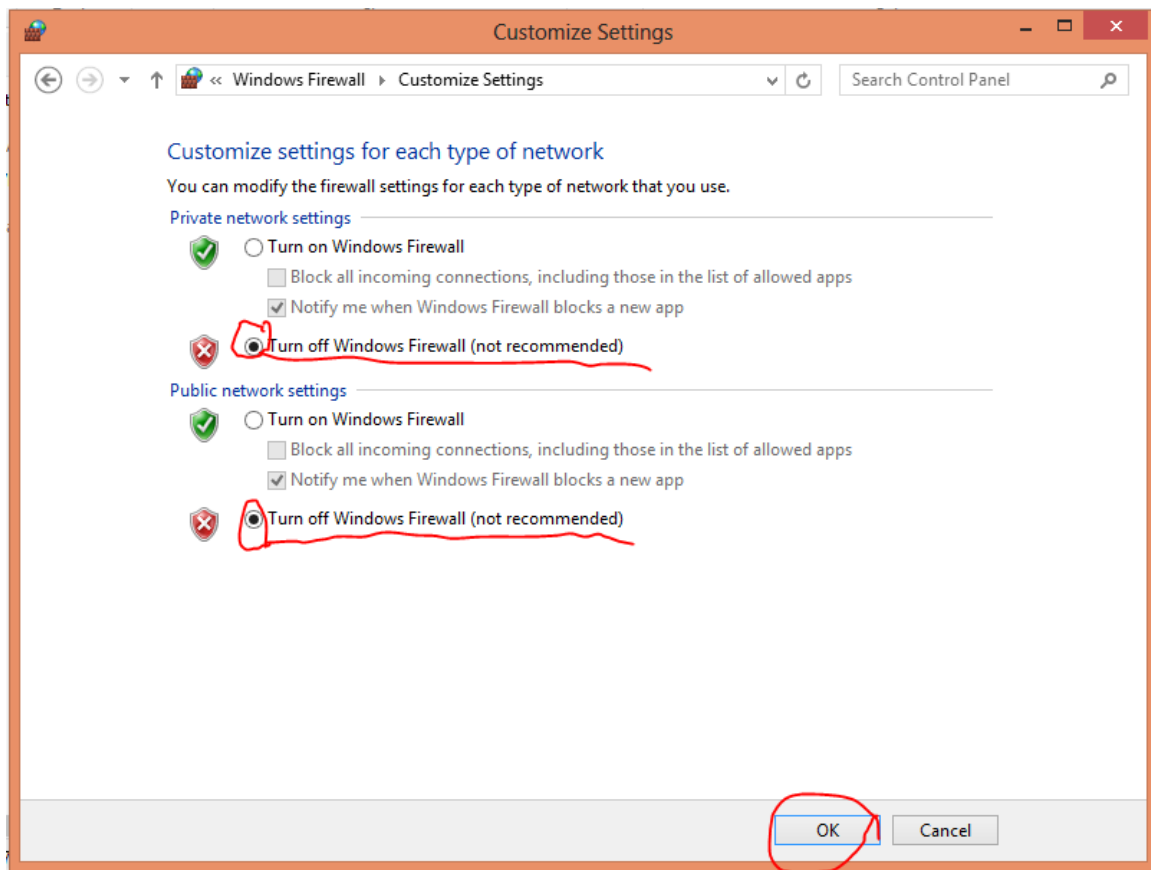
Step 2 "turn off firewall"

Control panel

Firewall







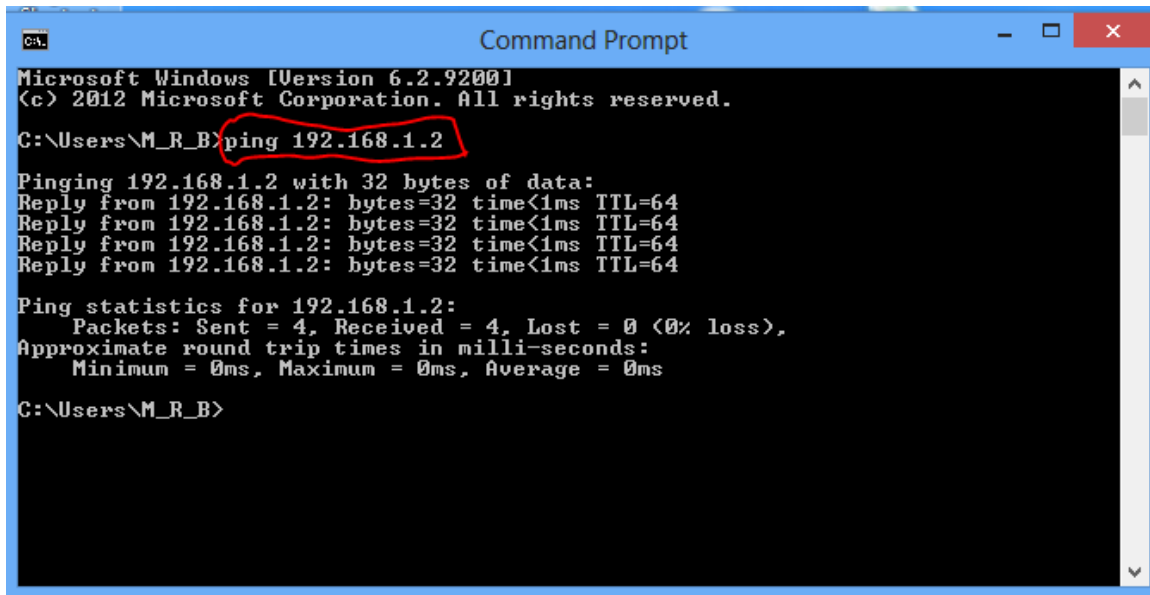
On VM

Open cmd

Write the command :

Ping 192.168.1.2

Then click enter



```
GA. Command Prompt
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.

C:\Users\M_R_B>ping 192.168.1.2

Pinging 192.168.1.2 with 32 bytes of data:
Reply from 192.168.1.2: bytes=32 time<1ms TTL=64
Reply from 192.168.1.2: bytes=32 time<1ms TTL=64
Reply from 192.168.1.2: bytes=32 time<1ms TTL=64
Reply from 192.168.1.2: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.1.2:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\M_R_B>
```

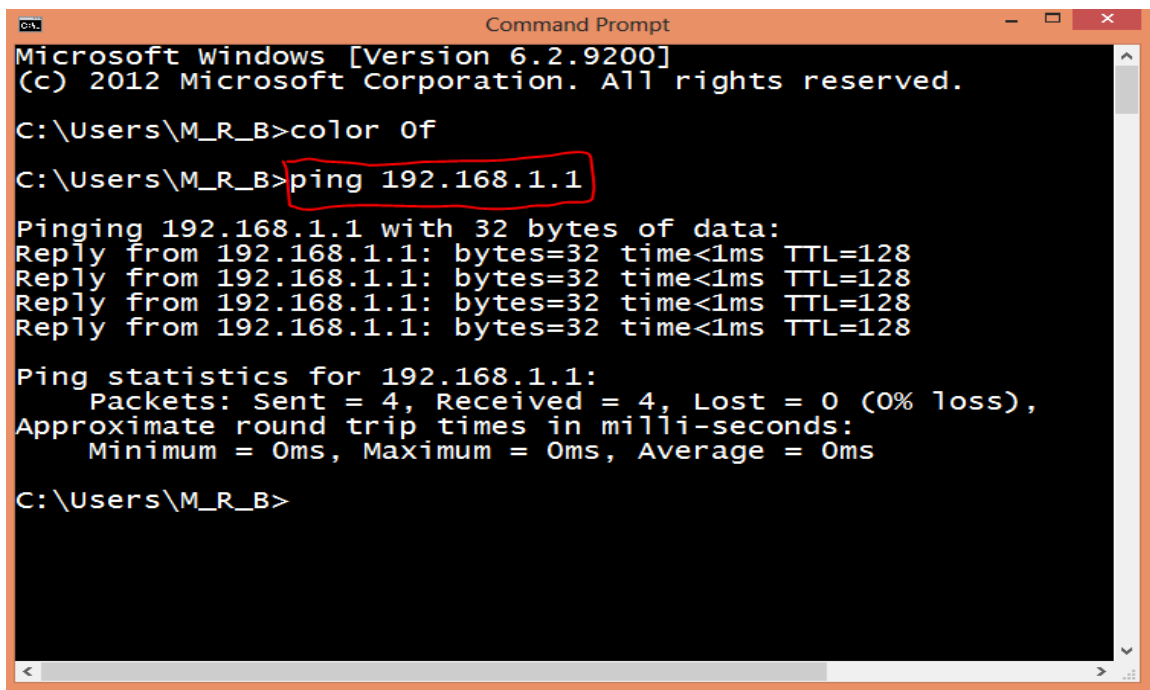
On Physical device(physical host)

Open cmd

Write the command :

Ping 192.168.1.1

Then click enter



```
Command Prompt
Microsoft Windows [Version 6.2.9200]
(c) 2012 Microsoft Corporation. All rights reserved.

C:\Users\M_R_B>color 0f
C:\Users\M_R_B>ping 192.168.1.1

Pinging 192.168.1.1 with 32 bytes of data:
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128
Reply from 192.168.1.1: bytes=32 time<1ms TTL=128

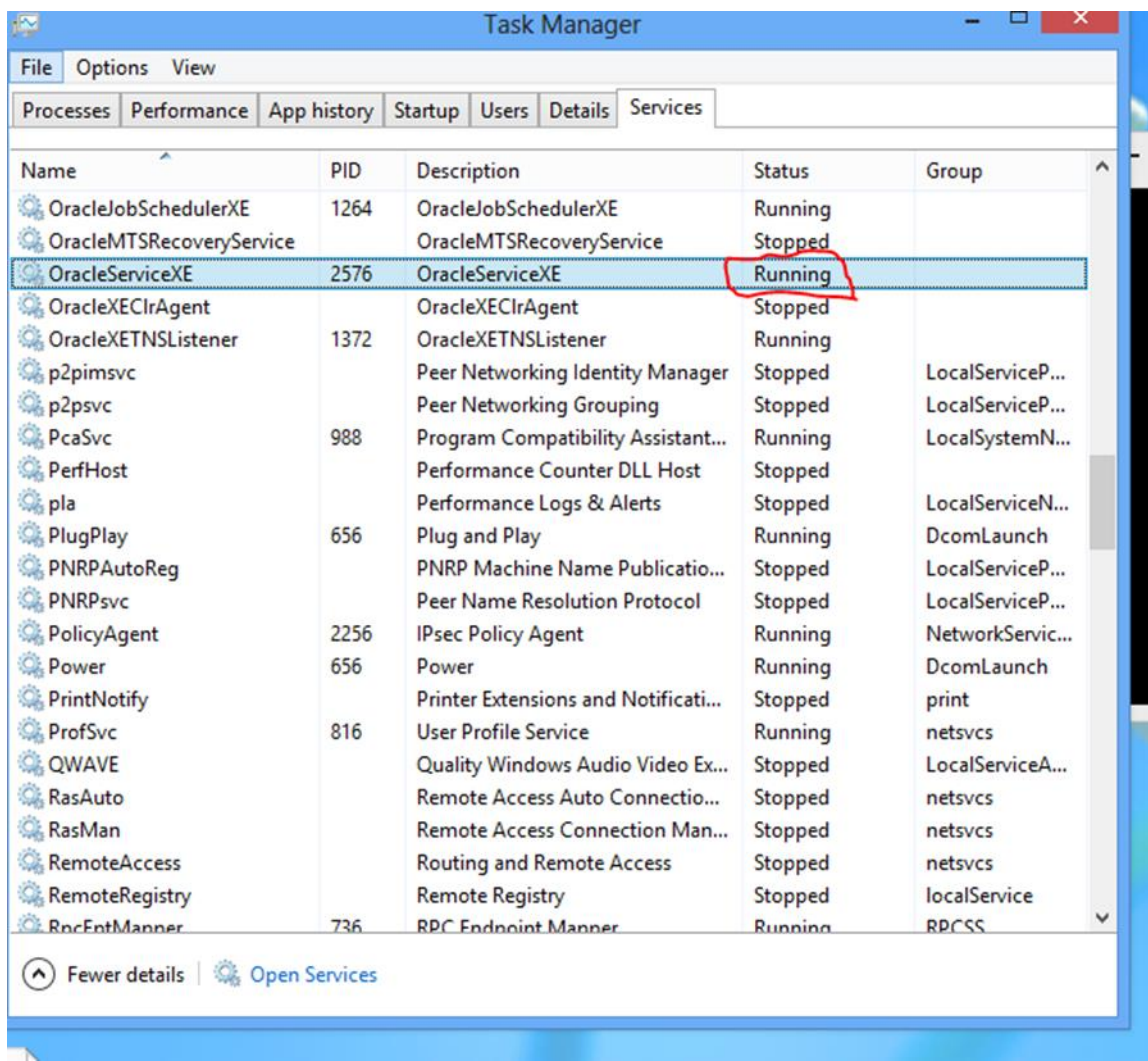
Ping statistics for 192.168.1.1:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
    Approximate round trip times in milli-seconds:
        Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\M_R_B>
```

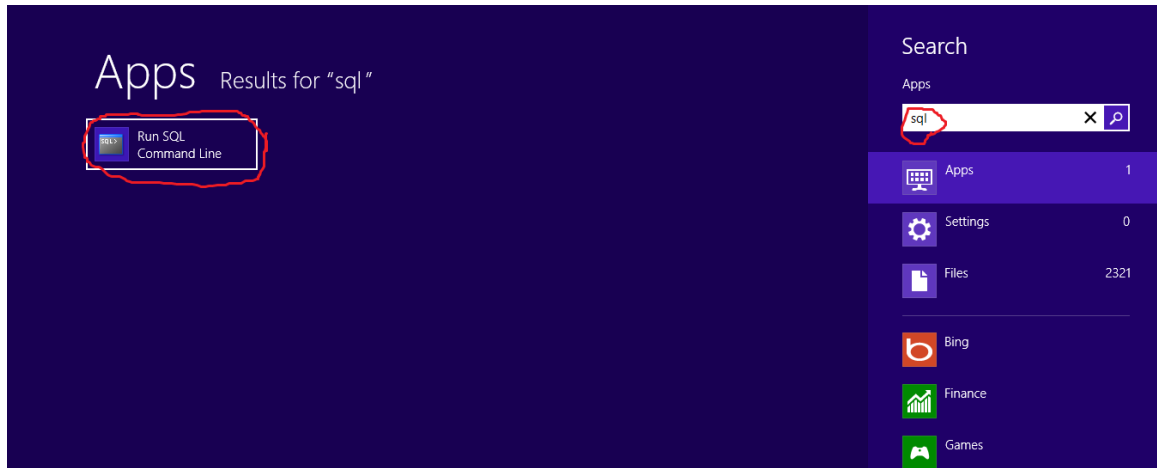
Part 2

On VM(virtual host)

Running OracleServiceXE لازم نتأكد ان تكون



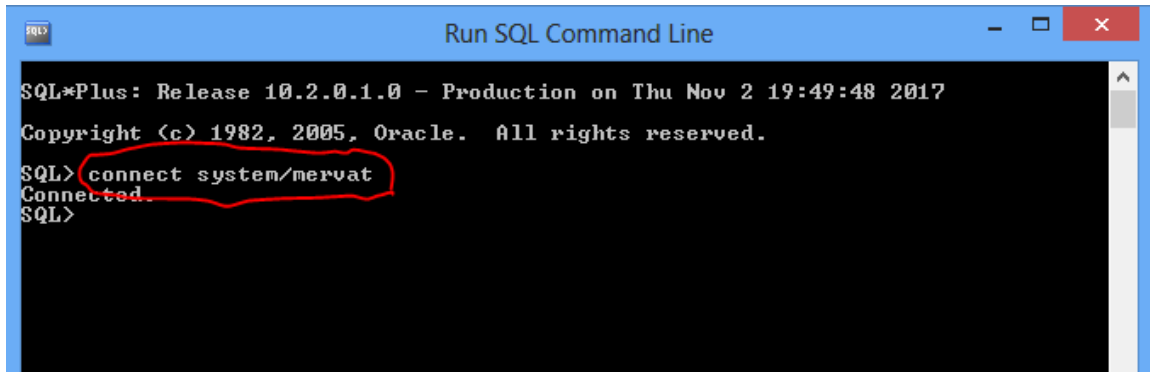
Open SQL command line



Write the command : connect system/password

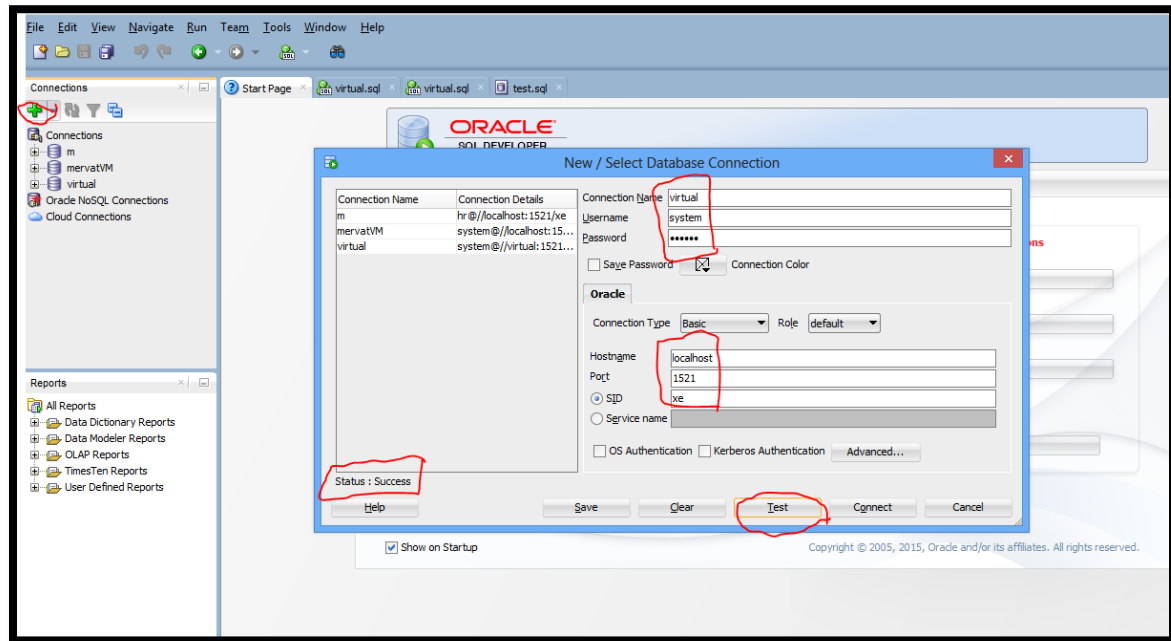
Then click enter

نكتب ال password الى حددناها واحنا بنسطب البرنامج oracle



Open sqldeveloper

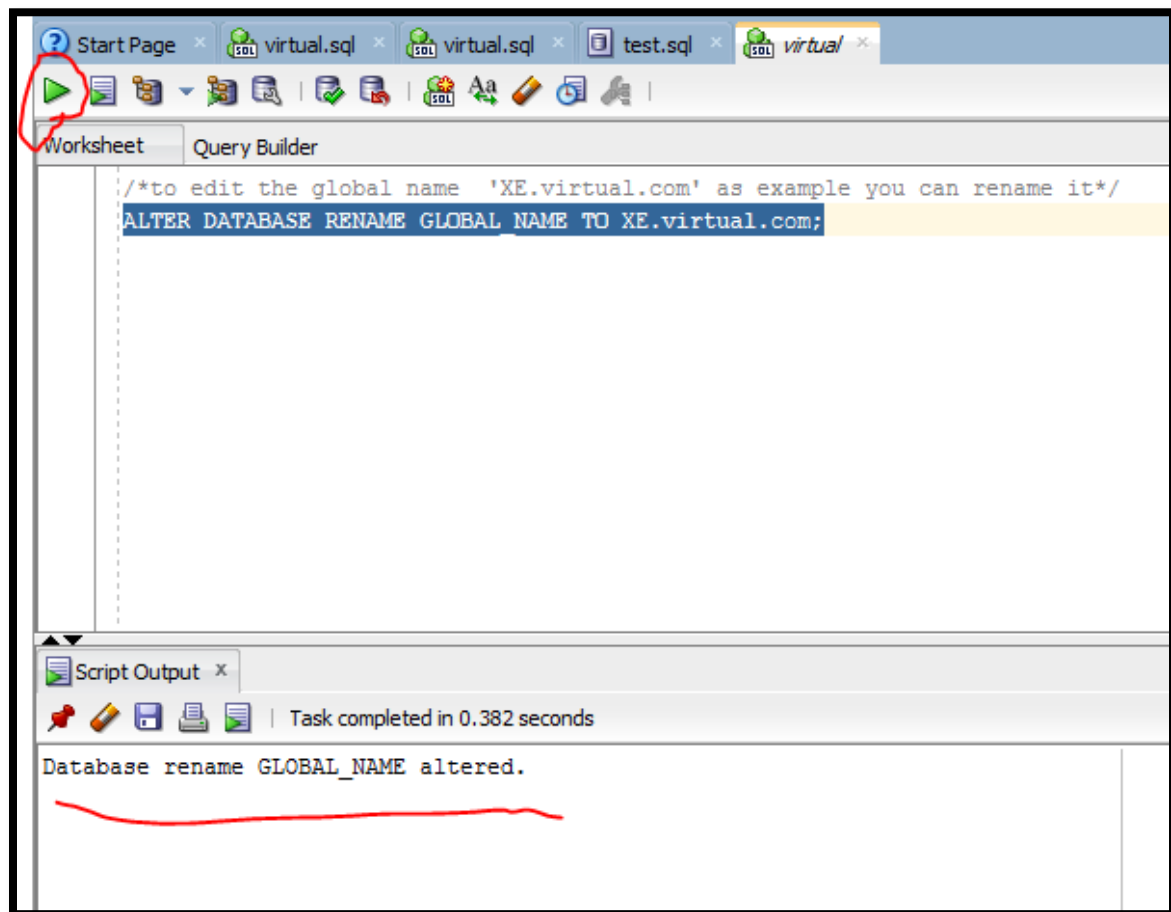
Make a new connection



بعد ما نتأكد ان الكونكشن تم بنجاح status: success اضغط connect

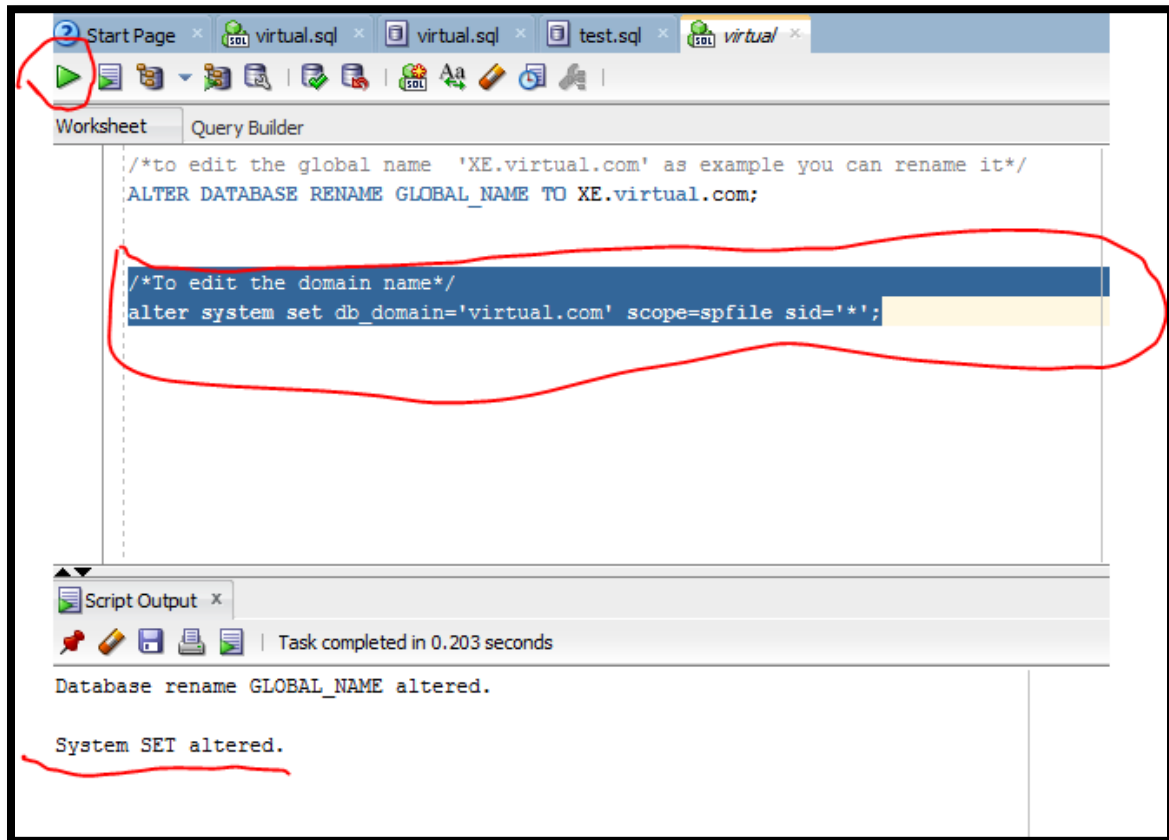
Write and execute the following:

`ALTER DATABASE RENAME GLOBAL_NAME TO XE.virtual.com;`

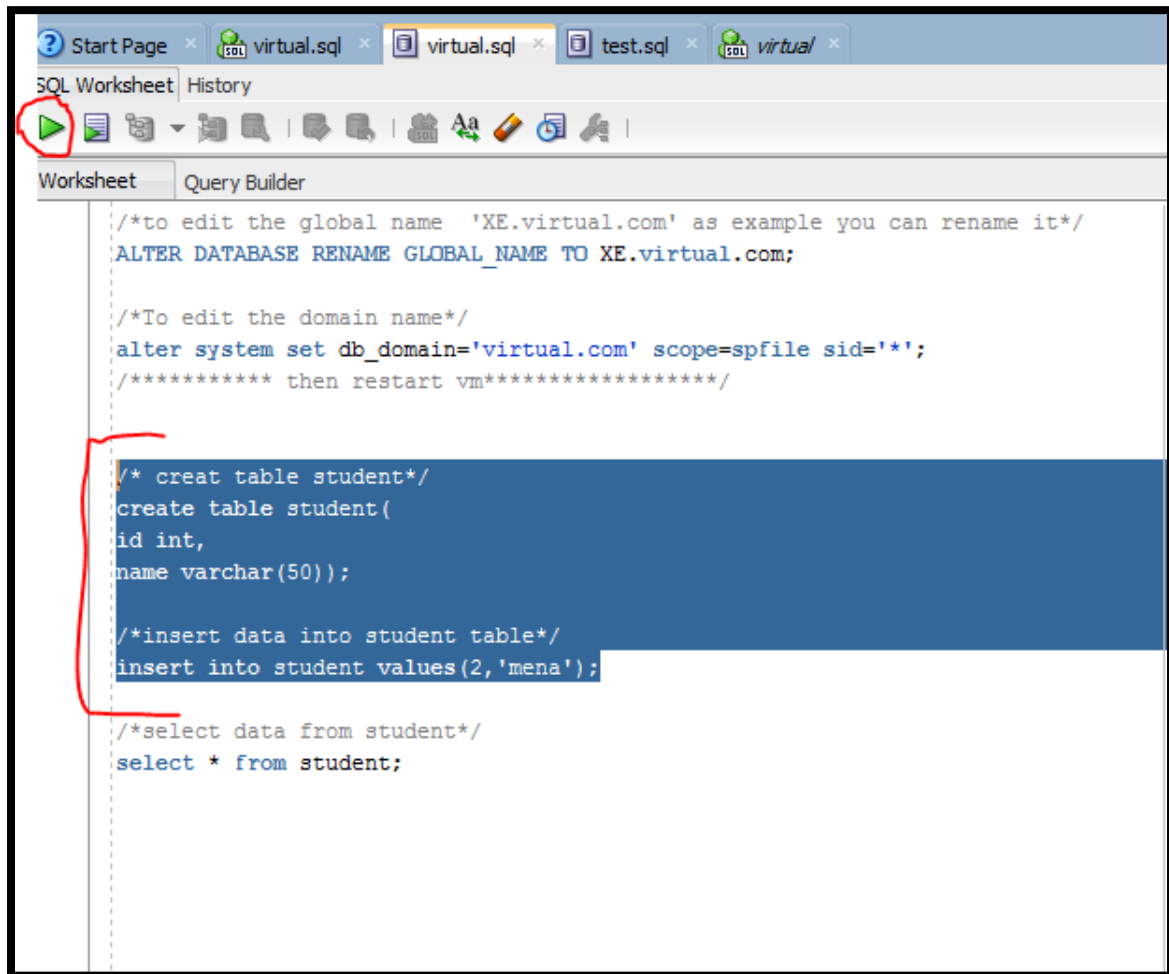


Write and execute the following:

```
alter system set db_domain='virtual.com' scope=spfile sid='*';
```



Create database table:



Then restart VM or you can restart OracleServiceXE from task manager

وبعدھا هنفتح sql command line عشان اعمل كونكت بال system:

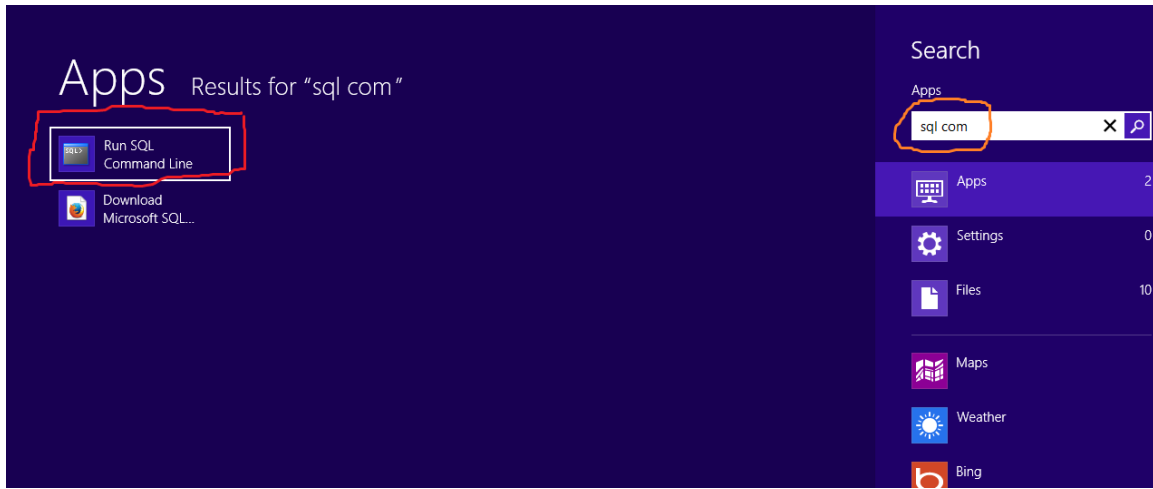
connect system/**password**

نكتب الباسورد بتاع التسطيب

ونفتح ال sqldeveloper الكونشكن اللى عملناه فالخطوة السابقة "virtual"

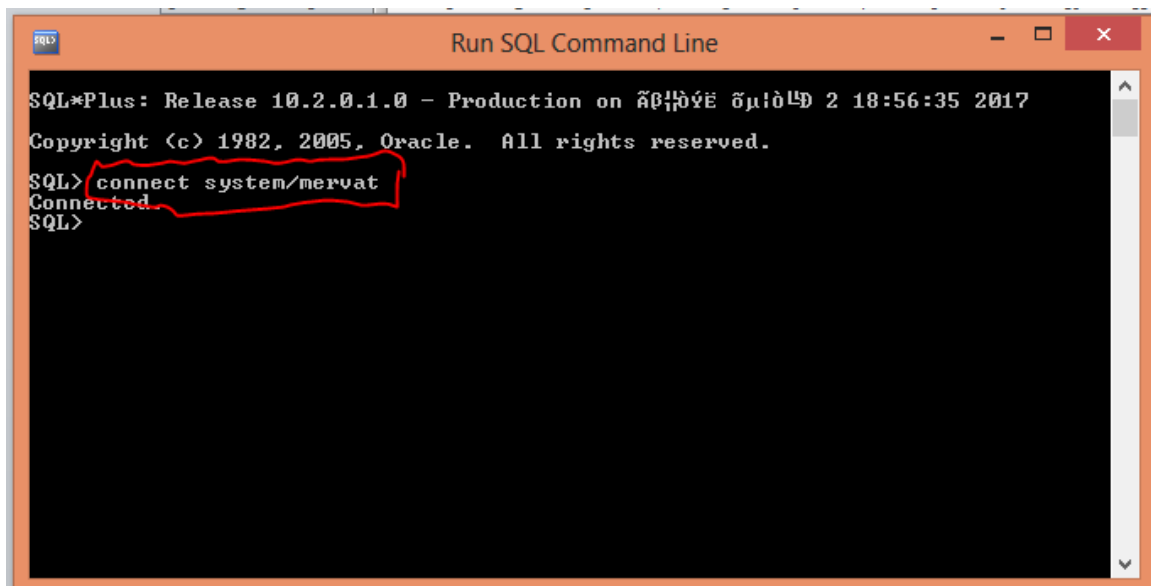
On physical device (physical host)

Open SQL command line



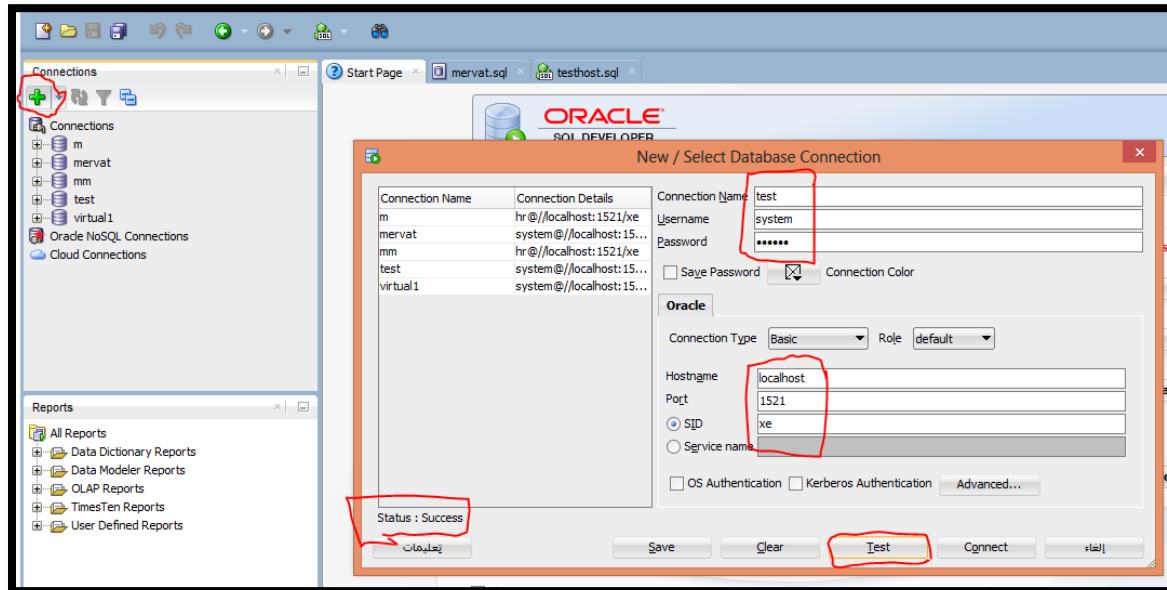
Write the command : connect system/password

نكتب الباسورد بتاع التسطيب



Open sqldeveloper

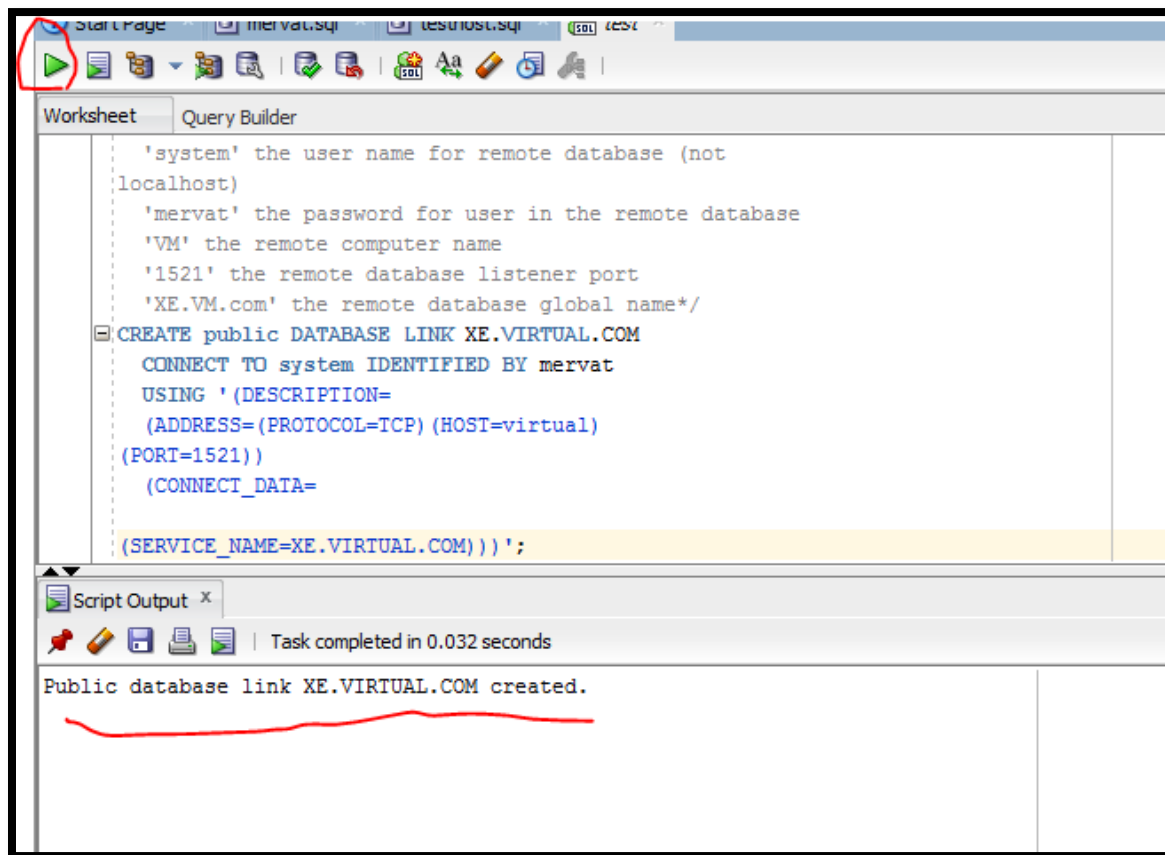
Make a new connection



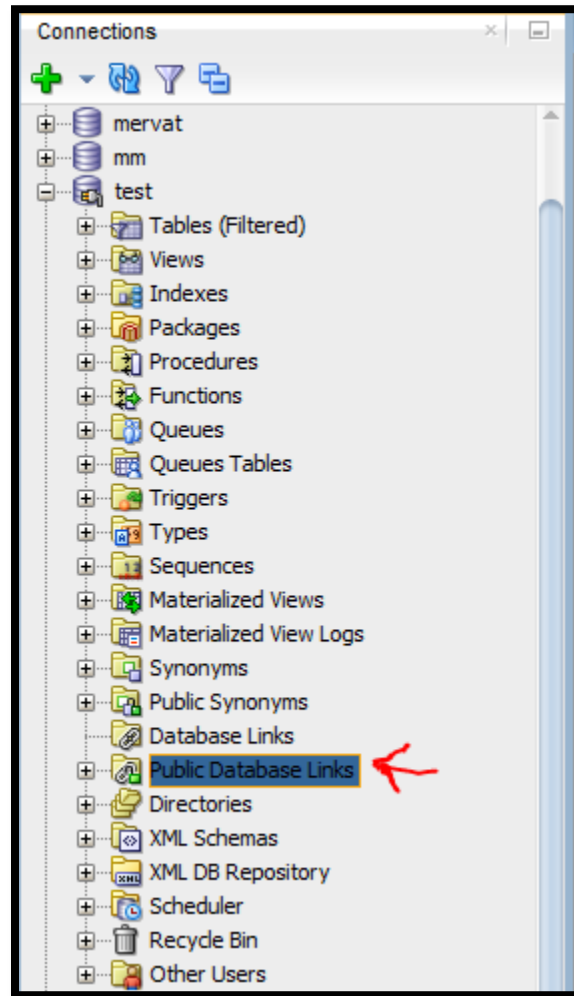
بعد ما نتأكد ان الكونكشن تم بنجاح status: success اضغط connect

Write and execute: remove mervat and write your oracle setup password

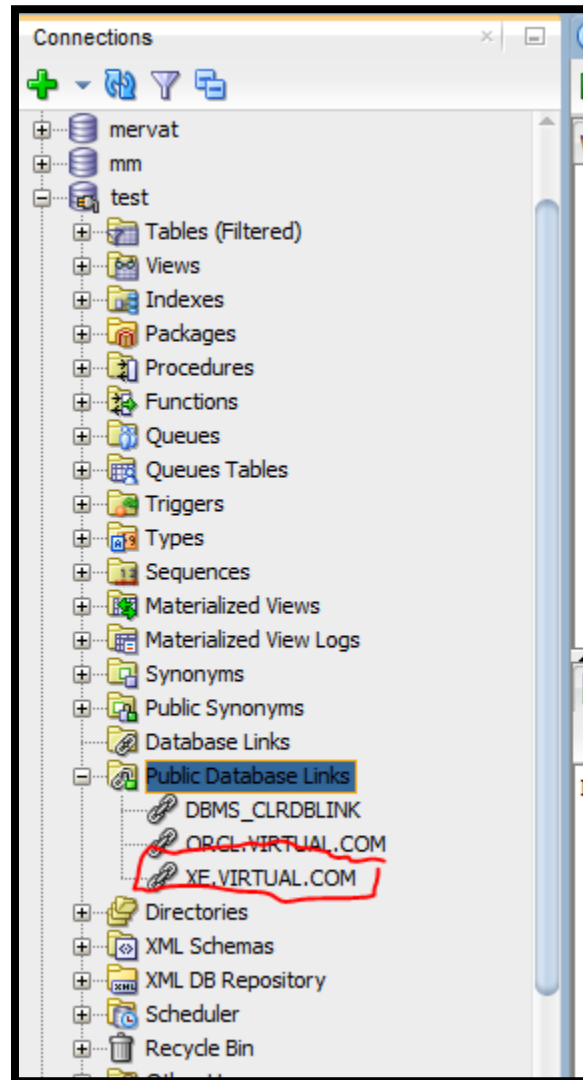
```
/*to create database link
'system' the user name for remote database (not
localhost)
'mervat' the password for user in the remote database
'VM' the remote computer name
'1521' the remote database listener port
'XE.VM.com' the remote database global name*/
CREATE public DATABASE LINK XE.VIRTUAL.COM
CONNECT TO system IDENTIFIED BY mervat
USING '(DESCRIPTION=
(AADDRESS=(PROTOCOL=TCP)(HOST=virtual)
(PORT=1521))
(CONNECT_DATA=
(SERVICE_NAME=XE.VIRTUAL.COM)))';
```

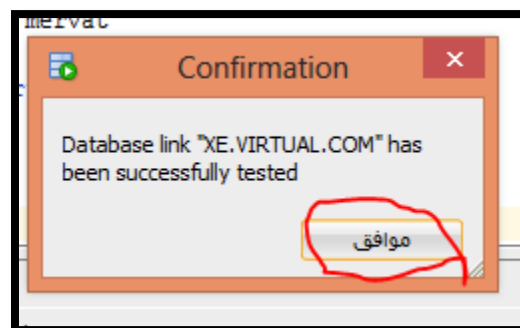
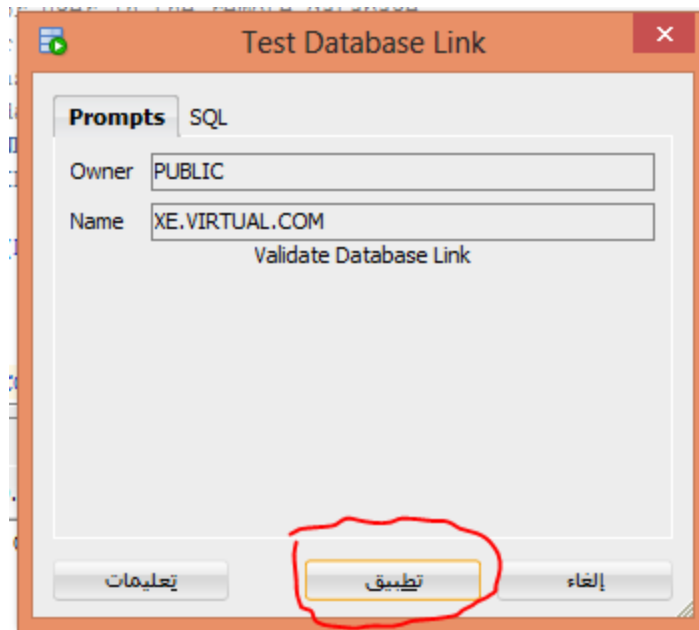


Right-click on **Public Database Links** and select refresh



Right-click XE.VIRTUAL.COM and select test database link





write and execute :

```
/*to select data from remote database*/  
select * from student@XE.VIRTUAL.COM;
```

The screenshot shows an SQL Worksheet application with several tabs: 'Start Page', 'mervat.sql', 'testhost.sql', and 'test'. The 'Worksheet' tab is active, displaying a SQL query. A red circle highlights the 'Execute' button (a green play icon) in the toolbar. The query in the editor is as follows:

```
(CONNECT_DATA=
(SERVICE_NAME=XE.VIRTUAL.COM))';

/*to delete the exist database link*/
DROP PUBLIC DATABASE LINK XE.VIRTUAL.COM;

/*to select data from remote database*/
select * from student@XE.VIRTUAL.COM;

/* *****select data from vm and host***** */
select * from student@XE.VIRTUAL.COM,col;
```

Below the query editor, the 'Query Result' tab is active, showing the results of the executed query. A red circle highlights the 'Query Result' tab and the table of results. The status bar indicates 'All Rows Fetched: 2 in 0.297 seconds'.

ID	NAME
1	1 mervat
2	2 mena