Attached you can find the materials for the database link. Note that, the slides provided here is made for a virtual machine as a site. If you follow the lab carefully, you should be able to do it for actual computers.

However, steps that I have followed in the lab is also mentioned below.

**Steps:**

1. At site:

1.1. Turn off the **firewall**.

1.2. Get the **IPv4**address (XXX.XX.XX.XXX). Note it down.

2. At server: Ping the site from **RUN**. If you get a successful reply, then everything is perfect.

3. At site:

3.1. Go to

C:\oraclexe\app\oracle\product\10.2.0\server\NETWORK\ADMIN\

3.2. Find **listener.ora** file.

3.3. Open **listener.ora** using **NOTEPAD++** and do the following changes.

3.4. Add the following commands to provide additional SID\_LIST under the  SID\_LIST\_LISTENER section (see slide - 6):

(SID\_DESC =

       (SID\_NAME = XE)

       (ORACLE\_HOME = C:\oraclexe\app\oracle\product\10.2.0\server)

     )

3.5. Add the following commands to provide additional DESCRIPTION\_LIST under the LISTENER section (see slide - 6):

(ADDRESS = (PROTOCOL = TCP)(HOST = XXX.XX.XX.XXX)(PORT = 1521))

3.6. Save the changes.

3.7. Run **CMD**with the administrative mode.

3.8. In **CMD**, run the command lsnrctl stop. If you get a successful message then ok (see slide - 7), if error, that means lsnrctl was already stopped before, so we have to start it, go to step 3.9.

3.9. Again in **CMD**, run the command lsnrctl start. If you get a successful message then ok (see slide - 7).

4. At server:

4.1. Run your **sqlplus**and log in. Execute the following codes (also provided as conn.sql) to generate a database link with the site:

   drop database link site\_link;

create database link site\_link

  connect to username identified by "password" --[[password = sqlplus password]]

using '(DESCRIPTION =

           (ADDRESS\_LIST = (ADDRESS = (PROTOCOL = TCP) (HOST = XXX.XX.XX.XXX) (PORT = 1521)))

          (CONNECT\_DATA = (SID = XE))

            )' ;

4.2. Now, select/ insert/ delete any data of the site from server using @site\_link. For example:

select \* from student@site\_link;