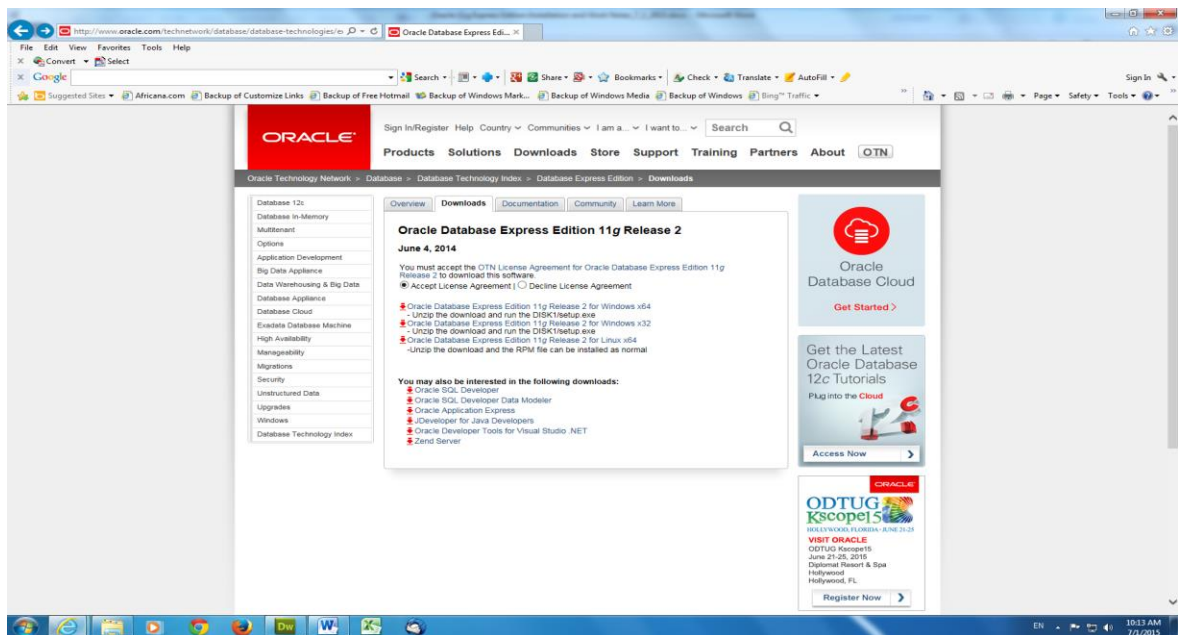# Oracle 11g Express Edition Installation Work Notes
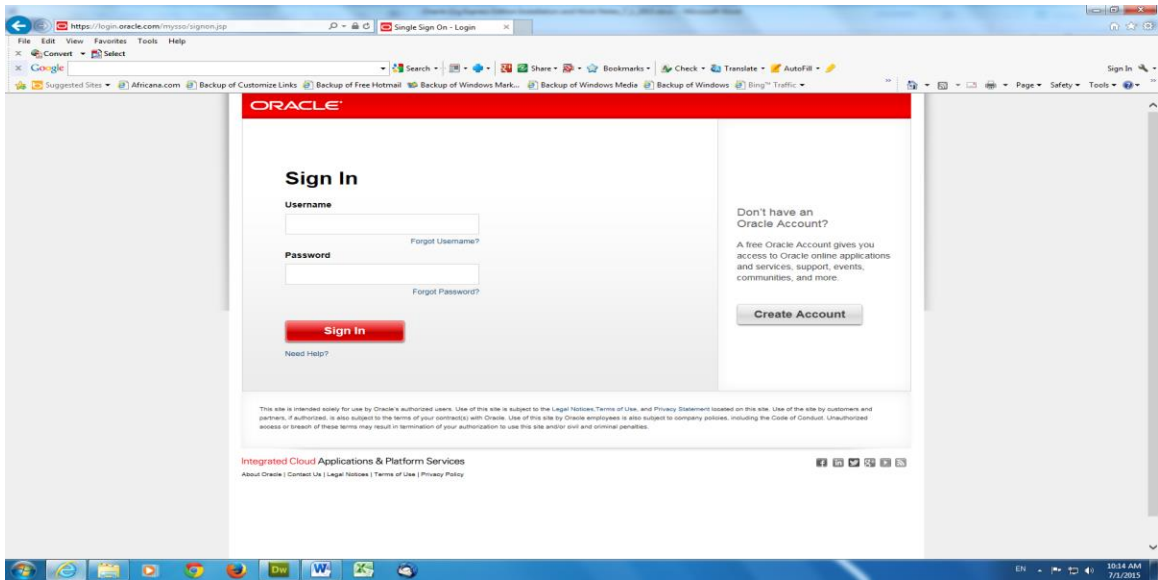
July 1, 2015

Rishank Puram, Nalini Uppari, Sailesh Adhikari, Peter Ping Liu

Desktop Computer:  Dell Optiplex 7010, Windows 7, 64-bit Operating System
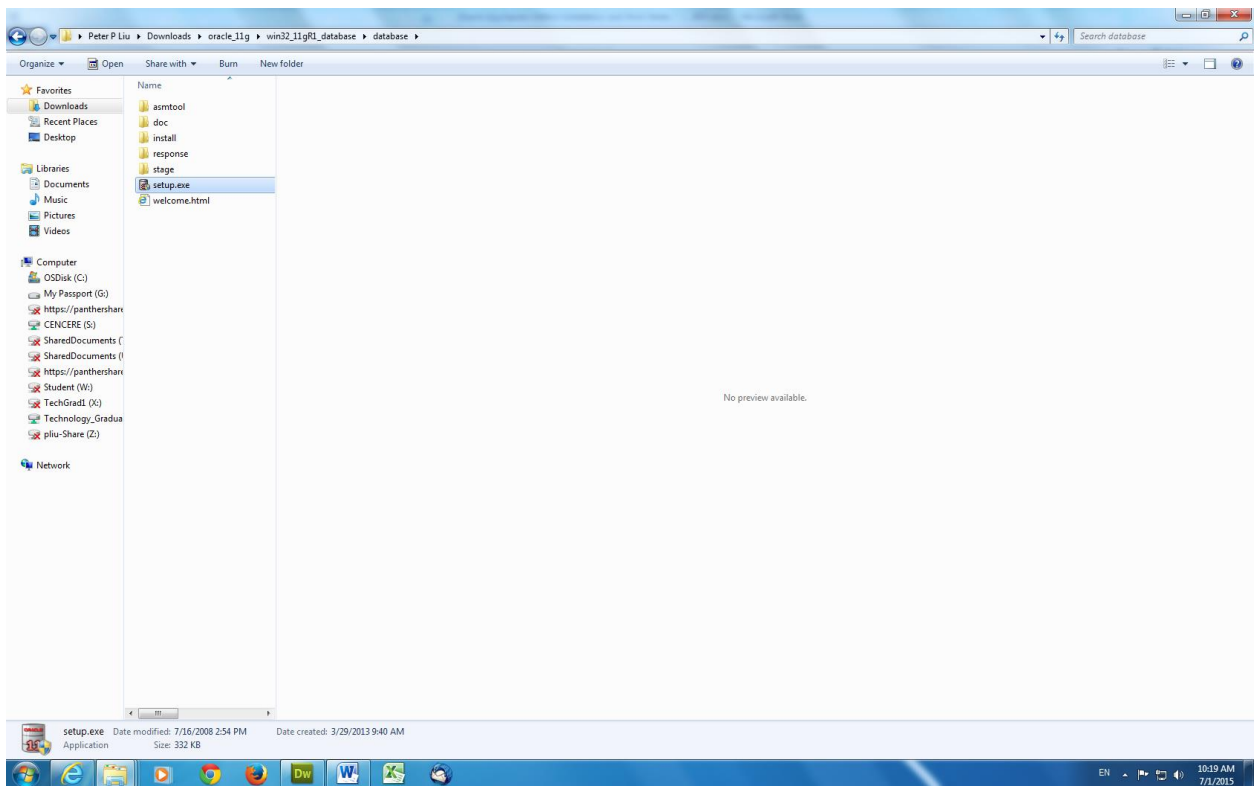
1. Download Oracle 11g Express Edition



2. Login in with your user id and password if there or else signup with a new one
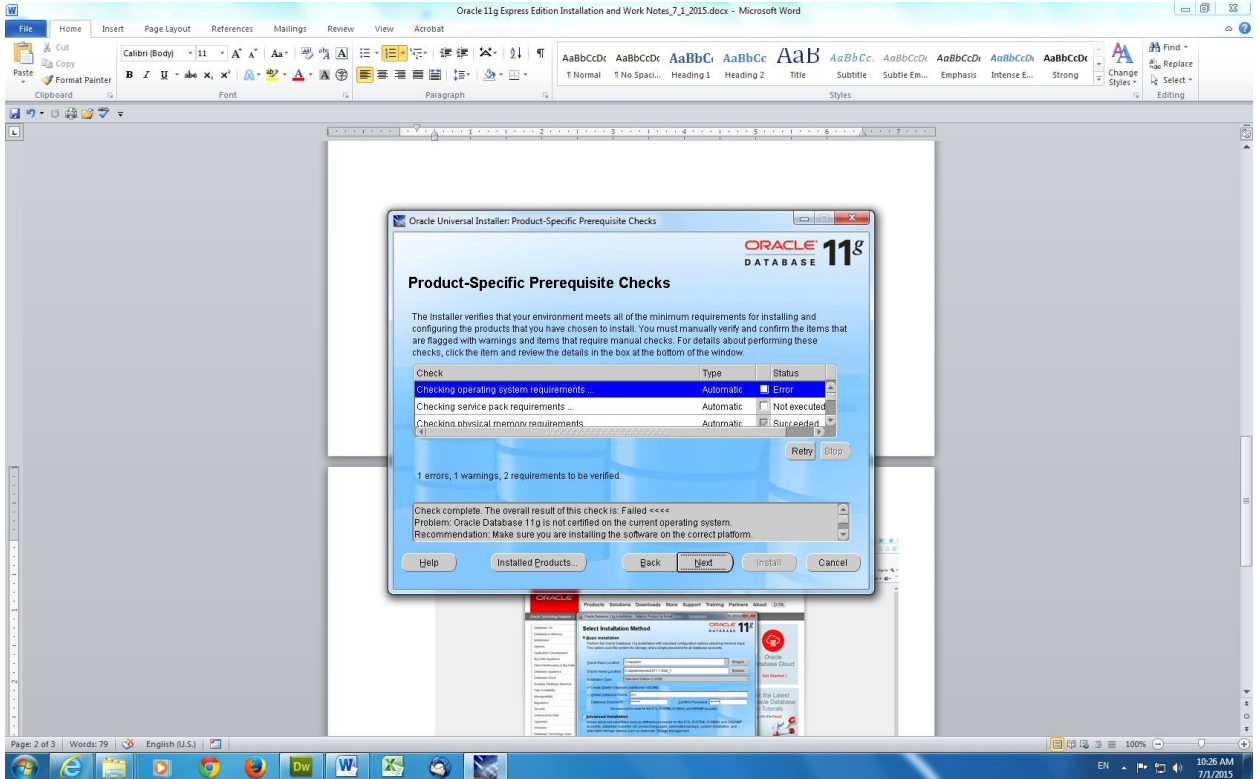
3. The executable file (.exe) starts downloading.
4. Unzip the file you have downloaded and run the setup file.

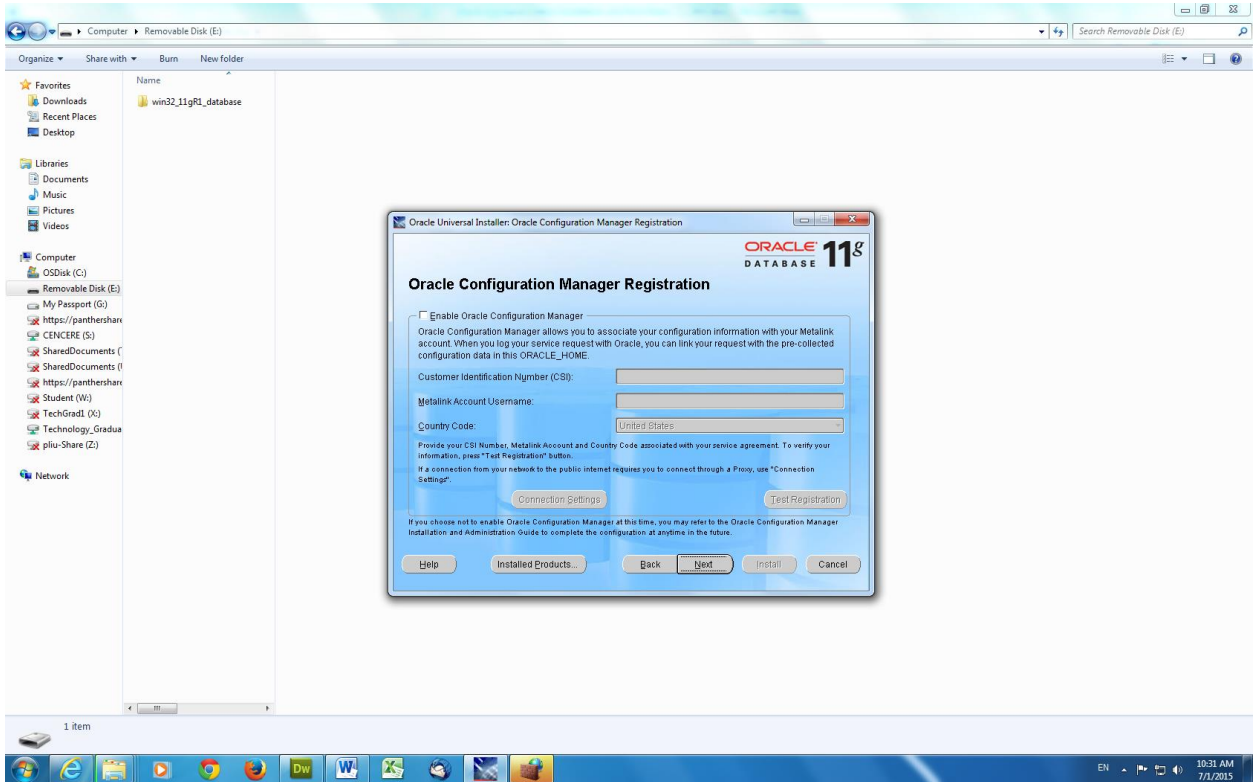5. Select Standard Edition under installation type and give a password for the database and click next. Please make a note of your password, which will be handy in the future.
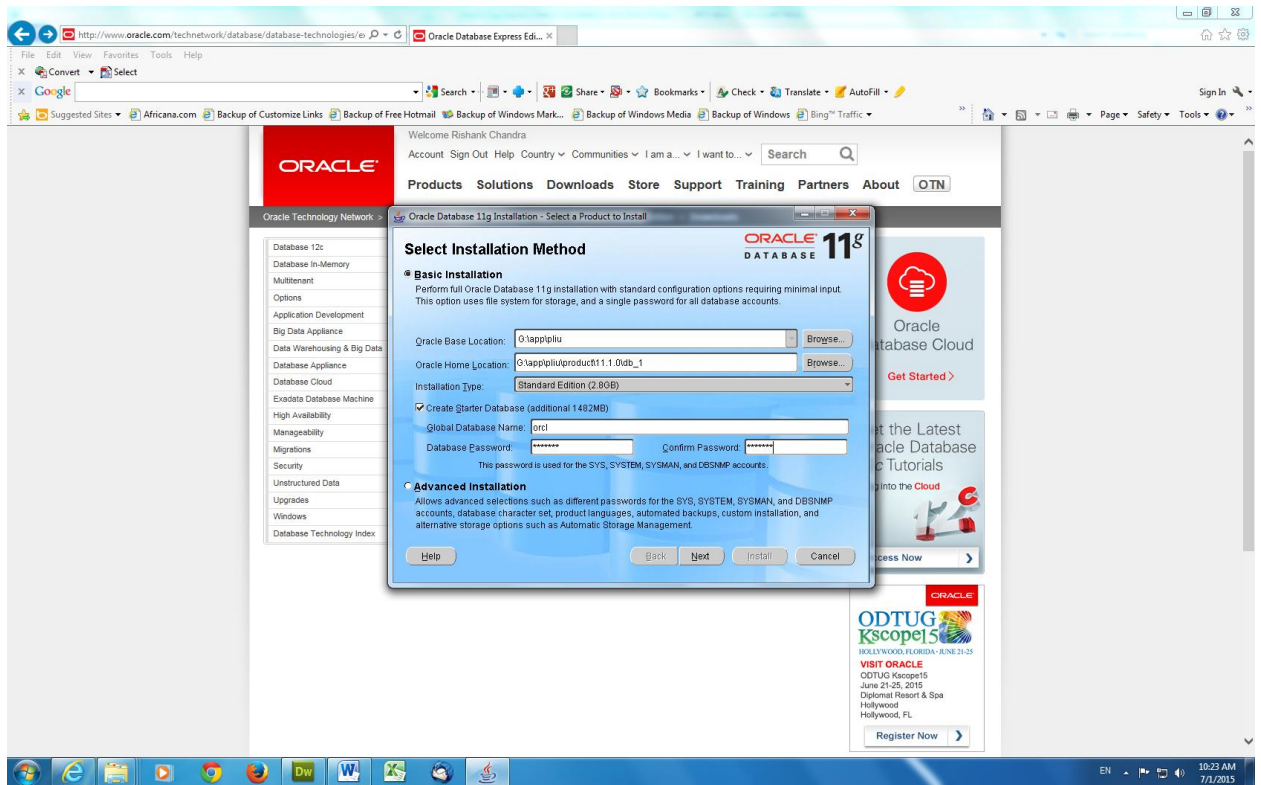


6. The below screen appears and hit next to proceed to another screen.

7. The next screen will appear as of the below one. Hit next to proceed to next screen.

8. Hit install from this screen to install oracle 11g database.
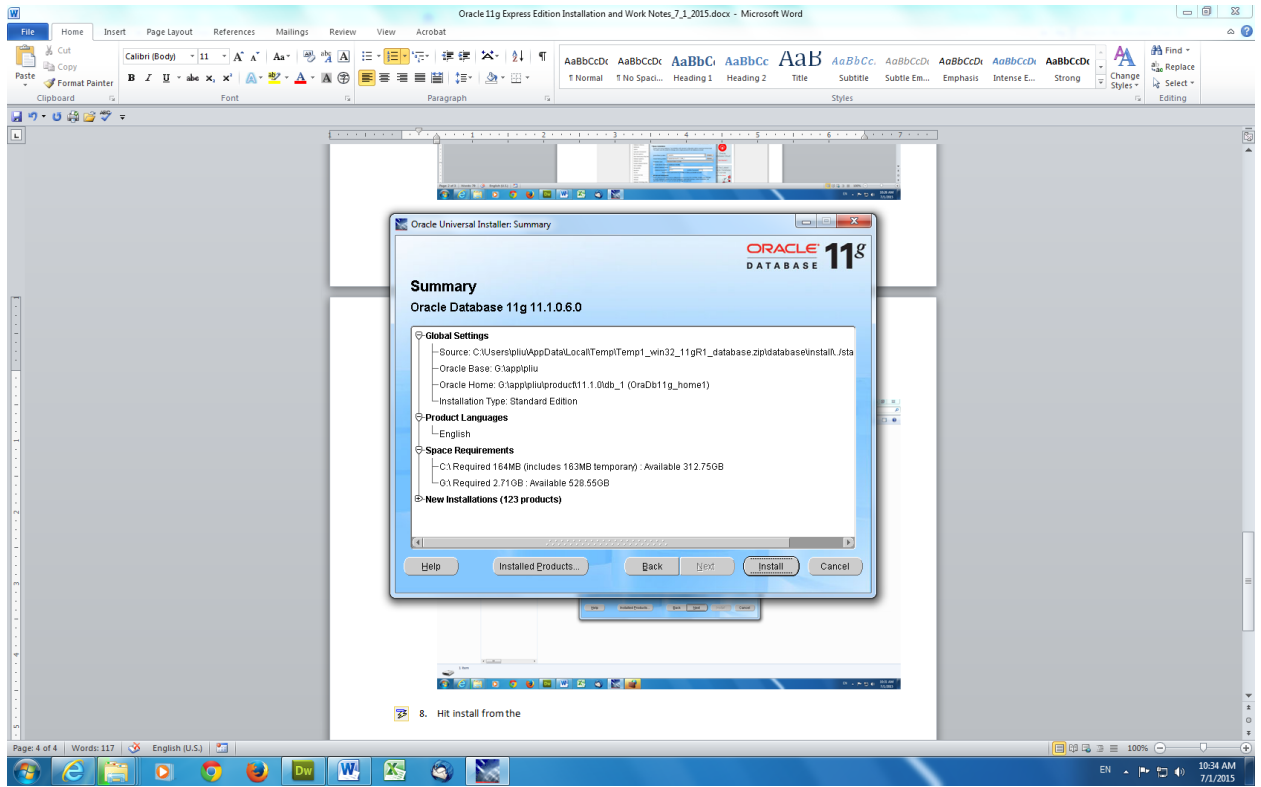


9. Oracle 11g gets installed
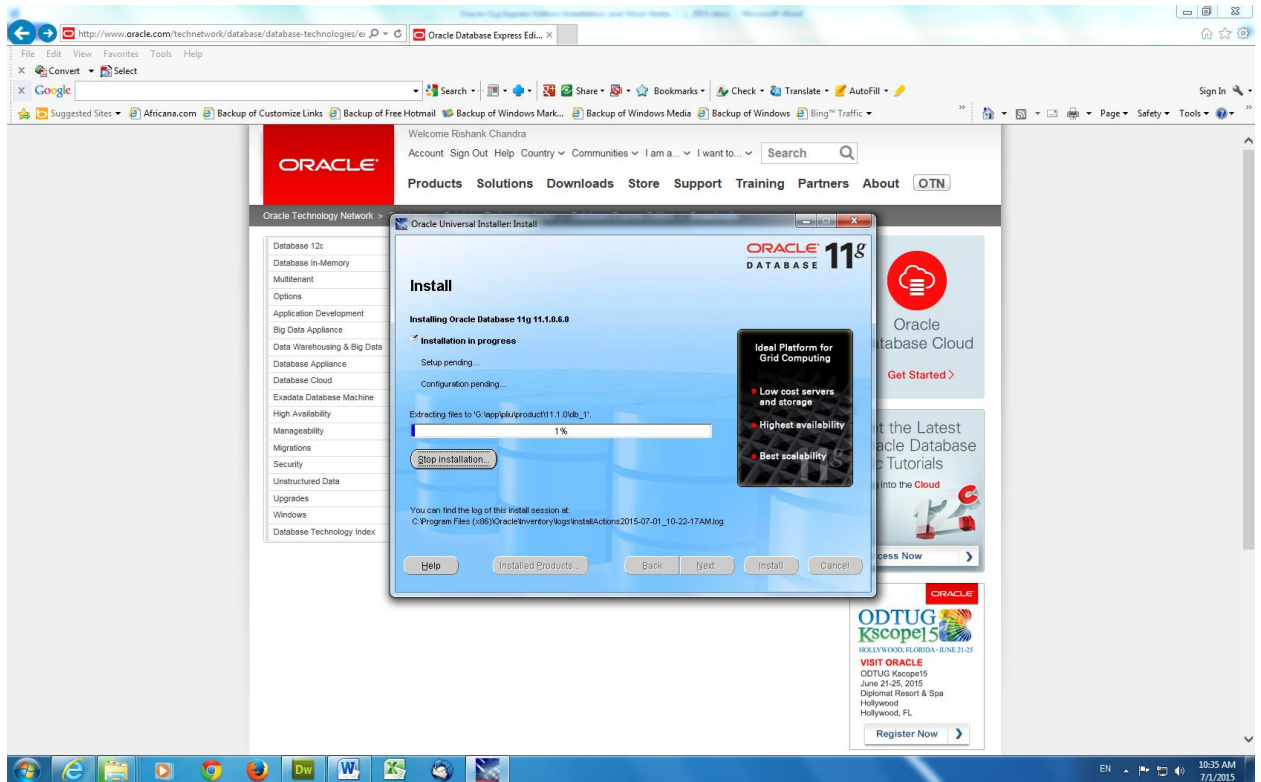
10. It automatically redirects to the other screen and that would be as follows.
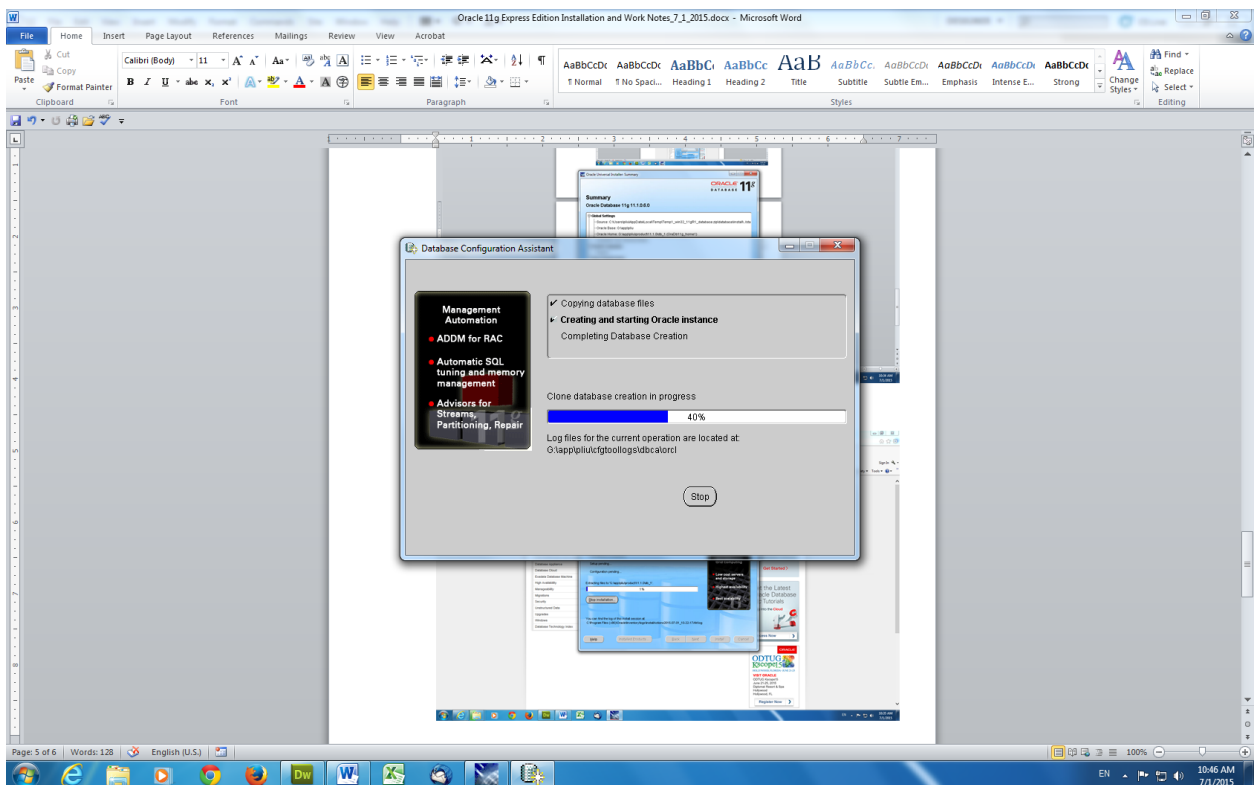


11. Final screen
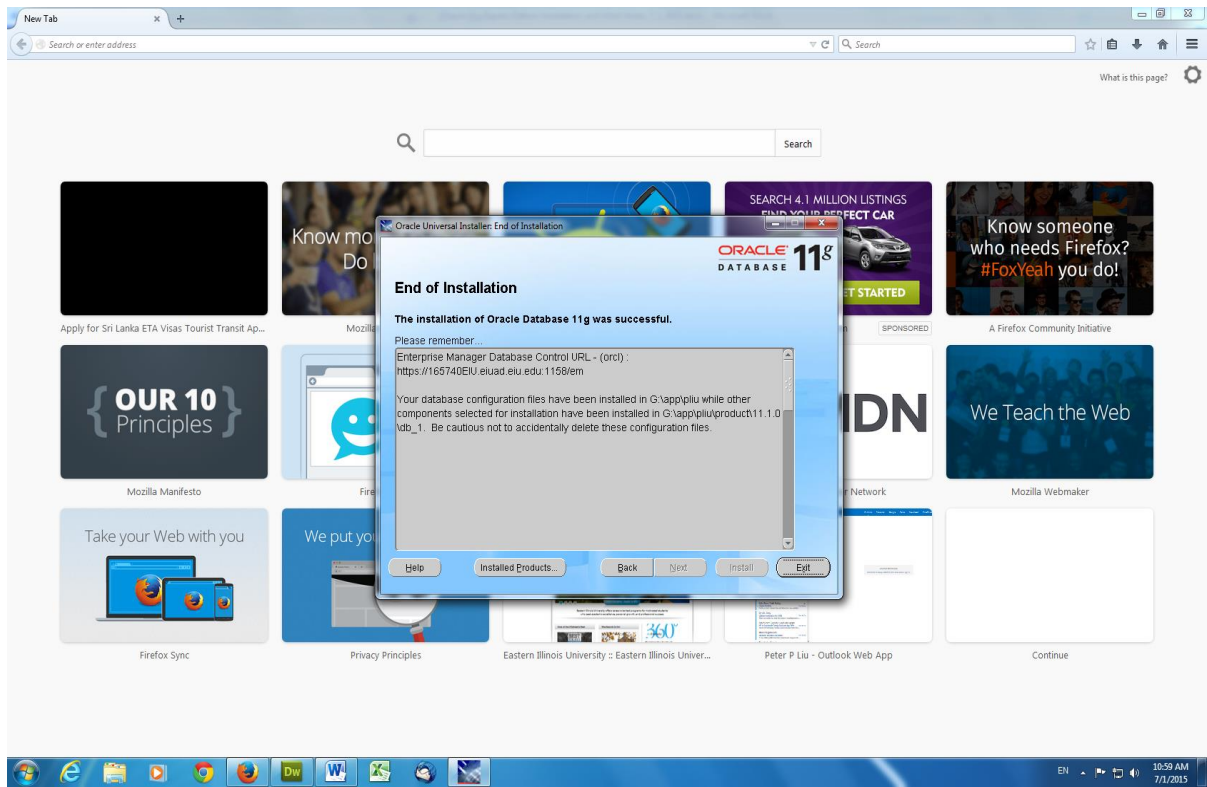
12. You can open Windows Services to check whether the database is installed and is running properly. It is noted that the database is running under "OracleServiceORCL." This indicates that the database (instance) name is "ORCL".
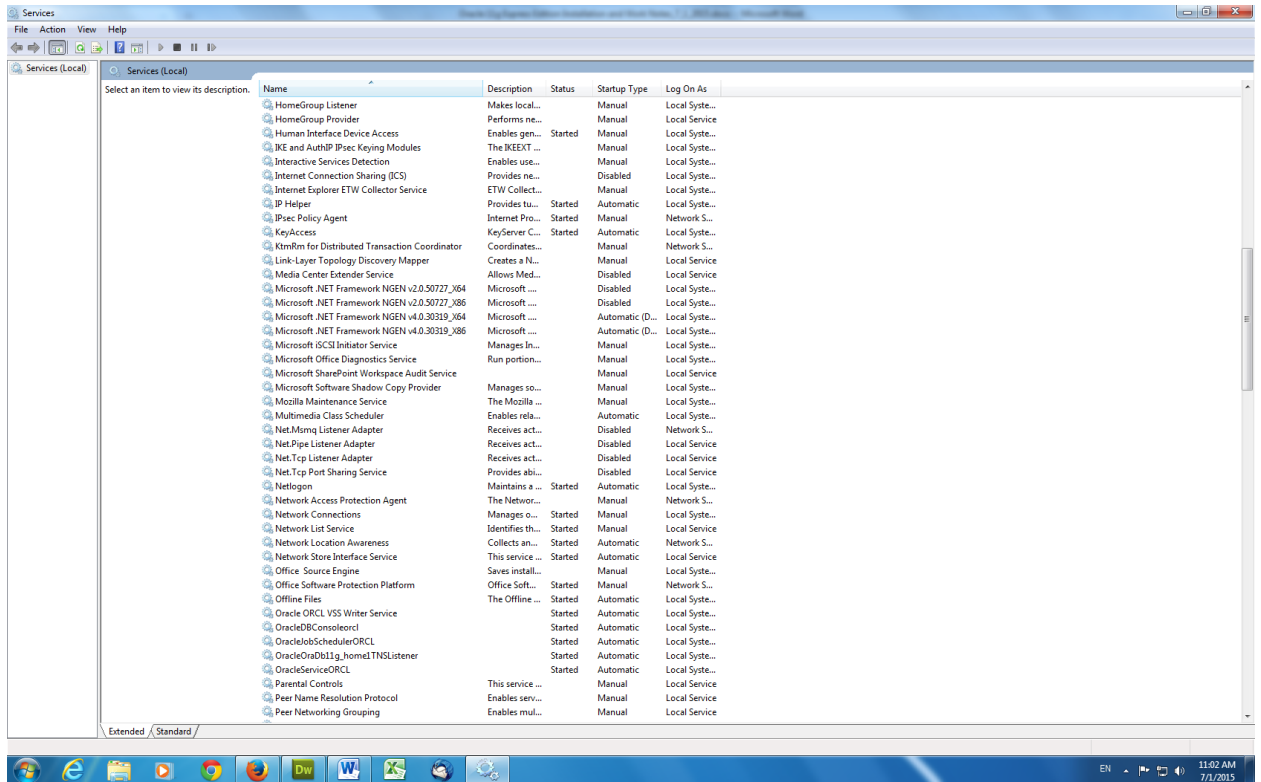
Useful program under command prompt:
C:> tnsping orcl (to ping the database)

You will see the entire connection string for the database in your computer. In the command window, you may right click the mouse and "Select All" and then "Enter." In this way, you can copy all the content on the screen and paste them for your research, as follows.

*Microsoft Windows [Version 6.1.7601]*

*Copyright (c) 2009 Microsoft Corporation.  All rights reserved.*

*C:\Users\pliu>tnsping orcl*

*TNS Ping Utility for 32-bit Windows: Version 11.1.0.6.0 - Production on 02-JUL-2015 09:58:35*

*Copyright (c) 1997, 2007, Oracle.  All rights reserved.*

*Used parameter files:*

*G:\app\pliu\product\11.1.0\db_1\network\admin\sqlnet.ora*

*Used TNSNAMES adapter to resolve the alias*

*Attempting to contact (DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EIU.eiuad.eiu.edu)(PORT = 1521)) (CONNECT_DATA = (SERVER = DEDICATED)(SERVICE_NAME = orcl)))*

*OK (0 msec)*

*C:\Users\pliu>*

The database connection string will be useful to connect Oracle database using PHP program:

*(DESCRIPTION = (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EIU.eiuad.eiu.edu)(PORT = 1521)) (CONNECT_DATA = (SERVER = DEDICATED)(SERVICE_NAME = orcl)))*

Alternatively, you may also get the database connection string from tnsnames.ora file, as follows:

```
# tnsnames.ora Network Configuration File:
G:\app\pliu\product\11.1.0\db_1\network\admin\tnsnames.ora
# Generated by Oracle configuration tools.

ORCL =
 (DESCRIPTION =
   (ADDRESS = (PROTOCOL = TCP)(HOST = 165740EIU.eiuad.eiu.edu)(PORT = 1521))
   (CONNECT_DATA =
     (SERVER = DEDICATED)
     (SERVICE_NAME = orcl)
   )
 )
```

C:>lsnrctl (Listener control)

*Microsoft Windows [Version 6.1.7601]*

*Copyright (c) 2009 Microsoft Corporation.  All rights reserved.*

*C:\Users\pliu>lsnrctl*

*LSNRCTL for 32-bit Windows: Version 11.1.0.6.0 - Production on 02-JUL-2015 10:08:42*

*Copyright (c) 1991, 2007, Oracle.  All rights reserved.*

*Welcome to LSNRCTL, type "help" for information.*

*LSNRCTL> status*

*Connecting to (DESCRIPTION=(ADDRESS=(PROTOCOL=IPC)(KEY=EXTPROC1521)))*

*STATUS of the LISTENER*

*-----------------------*

*Alias              LISTENER*

*Version             TNSLSNR for 32-bit Windows: Version 11.1.0.6.0 - Production*

*Start Date           01-JUL-2015 10:43:52*

*Uptime              0 days 23 hr. 24 min. 56 sec*

*Trace Level          off*

*Security            ON: Local OS Authentication*

*SNMP              OFF*

*Listener Parameter File   G:\app\pliu\product\11.1.0\db_1\network\admin\listener.ora*

*Listener Log File       g:\app\pliu\diag\tnslsnr\165740EIU\listener\alert\log.xml*

*Listening Endpoints Summary...*

 *(DESCRIPTION=(ADDRESS=(PROTOCOL=ipc)(PIPENAME=\\.\pipe\EXTPROC1521ipc)))*

*(DESCRIPTION=(ADDRESS=(PROTOCOL=tcp)(HOST=165740EIU.eiuad.eiu.edu)(PORT=1521)))*

*Services Summary...*

*Service "orcl" has 1 instance(s).*

 *Instance "orcl", status READY, has 1 handler(s) for this service...*

*Service "orclXDB" has 1 instance(s).*

 *Instance "orcl", status READY, has 1 handler(s) for this service...*

*Service "orcl_XPT" has 1 instance(s).*

 *Instance "orcl", status READY, has 1 handler(s) for this service...*

*The command completed successfully*

*LSNRCTL>*

The above message indicated that the Oracle listener is active and ready to communicate.

SQL Plus:
Useful SQL commands:

SQL> conn system/pingliu;

If you are able to connect to the database, that means the database is open, and ready to interact with PHP program.

SQL> select * from tab;

SQL>alter user scott account unlock; (to unlock the user scott)

SQL>desc emp; (to see the table structure of emp table)

SQL>show parameter service; (to find the database name)

SQL>spool c:\temp\spool.txt   (to spool the content on display into a file as defined.)
SQL>spool off;