

---

**LAB SHEET 1**

---

Title : Knowing Oracle  
Objectives : At the end of the session, students are able to:  
    i. install Oracle Express Edition  
    ii. get familiar with Oracle Express Edition  
    iii. use Oracle Express Edition  
Duration : 2 Hours

---

**Overview of Oracle EX**

Oracle Database 10g Express Edition (Oracle Database XE) is an entry-level, small-footprint database based on the Oracle Database 10g Release 2 code base that's free to develop, deploy, and distribute; fast to download; and simple to administer. Oracle Database XE is a great starter database for:

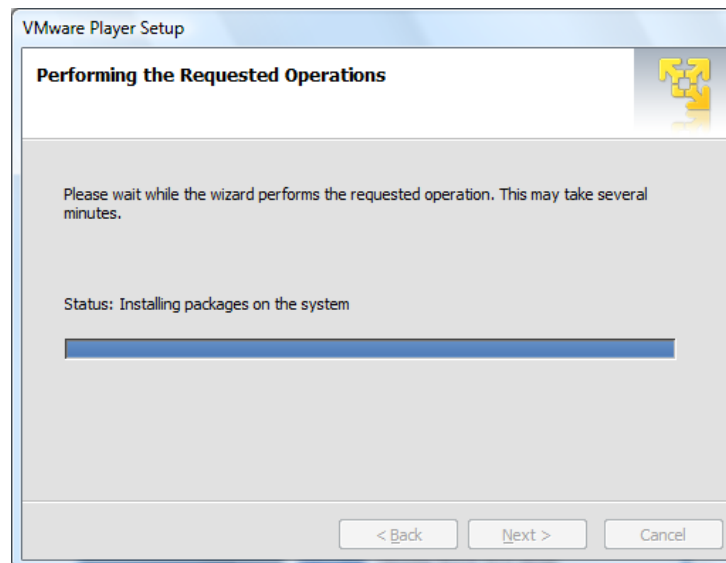
- **Developers** working on PHP, Java, .NET, XML, and Open Source applications
- **DBAs** who need a free, starter database for training and deployment
- **Independent Software Vendors (ISVs) and hardware vendors** who want a starter database to distribute free of charge
- **Educational institutions and students** who need a free database for their curriculum

With Oracle Database XE, we can develop and deploy applications with a powerful, proven, industry-leading infrastructure, and then upgrade when necessary without costly and complex migrations.

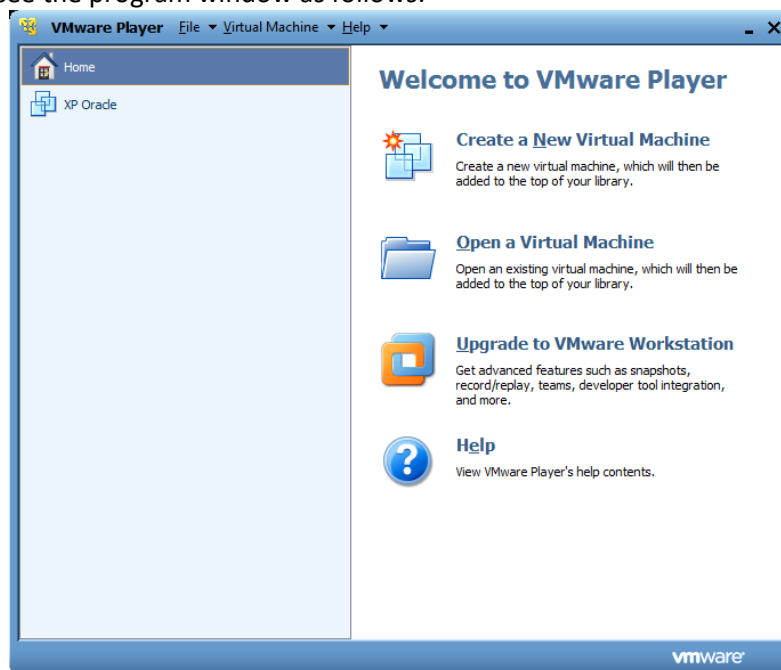
Oracle Database XE can be installed on any size host machine with any number of CPUs (one database per machine), but XE will store up to 4GB of user data, use up to 1GB of memory, and use one CPU on the host machine.

**Unit 1: Run Virtual Machine**

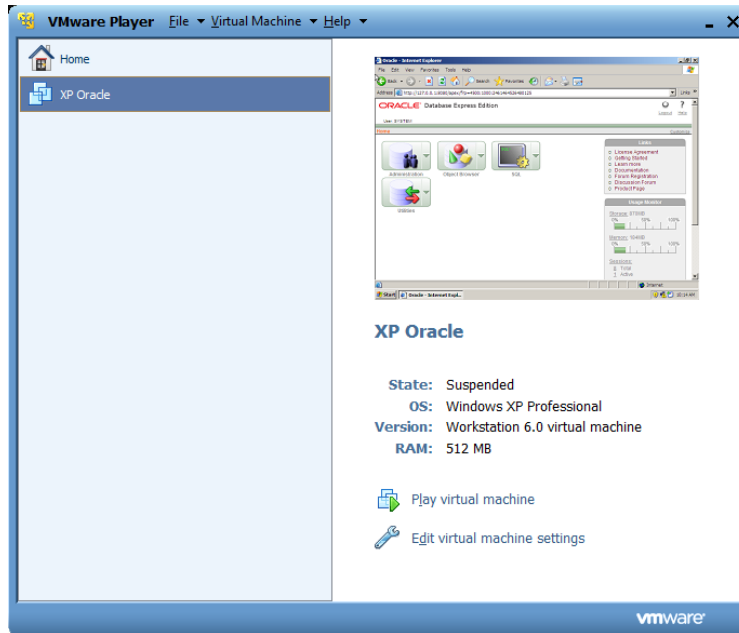
Virtual Machine Files required. Install VMware player.

**Start VMware Player**

1. Click Start button > Programs > VMware > VMware Player
2. You will see the program window as follows:



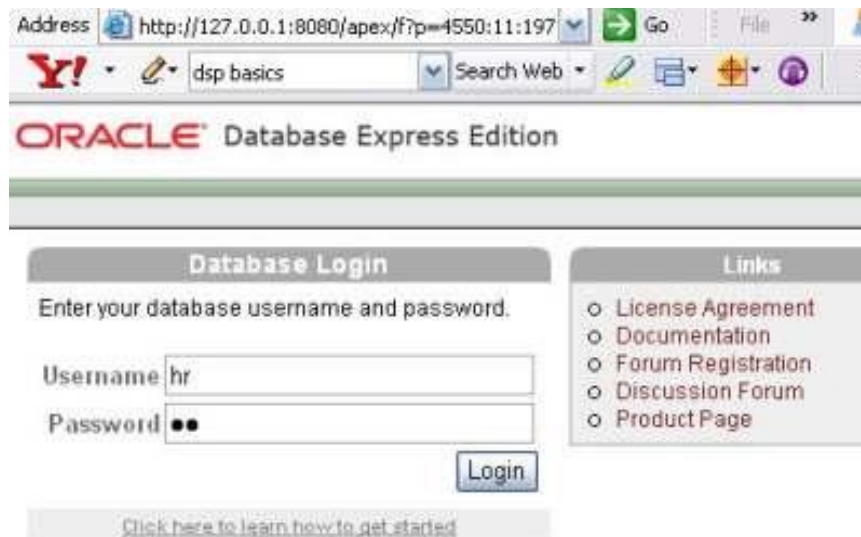
3. Click at **Open a Virtual Machine** icon.
4. Select file **XP Oracle xp**.



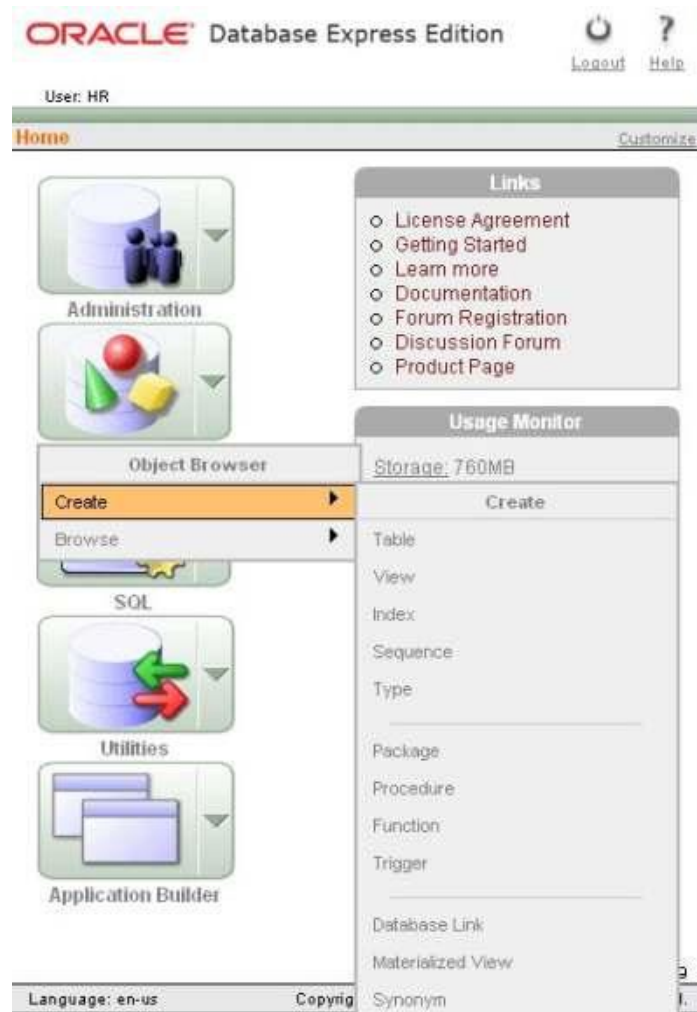
5. Click **Play virtual machine** to start the virtual machine

## Unit 2: Install Oracle XE

1. Inside the virtual machine environment,
  - Start -->AllPrograms-->Oracle 10g XE Express Edition
  - Click on *Go to database Home Page*.
2. Username: system; password : 123456

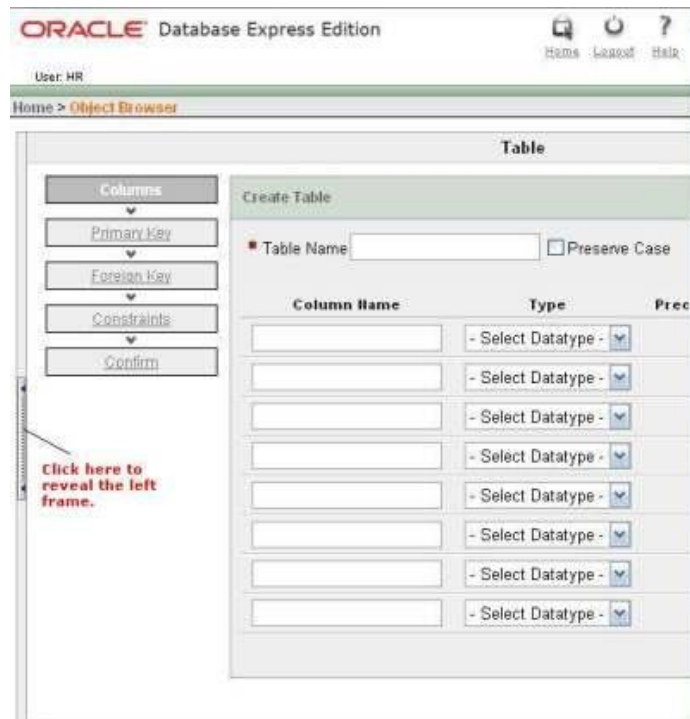


Click on the arrow on the **Object Browser** and from the drop down click on **Create**



This opens the create table window as shown. You are also provided a listing of all existing tables which should help you to not use an existing table name. To see all the tables, you need to click on the indicated place, which will reveal two frames as shown (a list of tables will be shown when you click in the indicated place).

## Unit 3: Create a Table From Scratch



1. Insert field name as table below.

Field Name	Data Type	Size	Description
AccountId	Text	16	Account Identification
CustID	Text	12	Customer Identification Number
Debit	Number	10	Debit Account
Credit	Number	10	Credit Account
Amount	Number	10	Amount Saving in account

2. Close and you should give this table name as T01ACCTMSTR
3. Please set the AccountId as the primary key when the RDBMS asking for that.
4. Please close the menu now.

**Unit 4: Adding Data**

1. Now open the table T01ACCTMSTR. And insert the data below on table.

AccountId	CustIC	Debit	Credit	Amount
A100110001000001	700001021234	1000	345	1000.00
B100110001000001	700001021234	1000	500	2000.00
C100110001000001	700001021234	1000	123	2000.00

**Exercise:**

1. Create a table for the orders placed by the e-commerce web page, for the following schema data.

```
table customer_order (  
    order_id          number,  
    customer_id       number,  
    order_date        date,  
    order_ship_date   date,  
    item_qty_num      number,  
    ship_notes        varchar2(1000)  
)
```

2. Create the **Htek\_Employees** table for the **Htek** company, such that the table will consist solely of the Employee information as follows:

```
First_Name  
Last_Name  
Hire_Date  
Birth_Date  
Title  
Salary  
Address  
City  
State  
Zip  
Home_Phone  
Office_Phone_Phone  
Cell_Phone  
Email  
Health_Coverage  
Notes
```