



# Estrutura e Banco de Dados

**Instalando o Oracle  
10g Express Edition**



**Prof. Claudiney Sanches Jr**

Para as próximas aulas, iremos utilizar o software de banco de Dados Oracle.

O Oracle Database 10g Express Edition (Oracle Database XE) é uma versão básica simplificada do banco de dados, baseada no código do Oracle 10g Release 2 para desenvolvimento, **implementação e distribuição gratuitos**, além de ser rápido de baixar e simples de administrar.

O Oracle Database XE é uma excelente base de dados inicial, sendo ideal para: Desenvolvedores que estão trabalhando em aplicativos PHP, Java, .NET, XML, e de código aberto.

**DBAs que precisam de um banco de dados inicial gratuito, para fins de treinamento e implementação.**

Fornecedores de software independentes (ISVs) e fornecedores de hardware que querem um banco de dados inicial para distribuir gratuitamente .

## **Instituições educacionais e alunos que precisam de um banco de dados gratuito para seu plano de estudos**

Com o Oracle Database XE, agora você pode desenvolver e implementar aplicativos com uma infra-estrutura poderosa, comprovada e líder de mercado, bem como fazer a atualização quando necessário sem exigir migrações caras e complexas.

O Oracle Database XE pode ser instalado em uma máquina host de qualquer tamanho com qualquer quantidade de CPUs (uma base de dados por máquina), mas o XE irá armazenar até 4GB de dados do usuário, consumir até 1GB de memória e usar uma CPU na máquina host.

# Instalação do Oracle

Acesse o link abaixo para realizar o download do Oracle 10g para plataforma Windows:

<http://www.oracle.com/technology/software/products/database/xe/htdocs/102xewinsoft.html>

Oracle Database 10g Express Edition Downloads for Microsoft Windows - Windows Internet Explorer

http://www.oracle.com/technology/software/products/database/xe/htdocs/102xewinsoft.html

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

★ Favoritos Oracle Database 10g Exp... aula oracle 10g - Pesquisa G...

Oracle Websites (Sign In/Register for Account | Subscribe)

secure search Technology Network

PRODUCTS  
Database  
Middleware  
Developer Tools  
Enterprise Management  
Applications Technology  
Products A-Z

TECHNOLOGIES  
BI & Data Warehousing  
Embedded  
Java  
Linux  
.NET  
PHP  
Security  
Technologies A-Z

ARCHITECTURE  
Enterprise 2.0  
Grid  
Service-Oriented Architecture  
Virtualization

COMMUNITY  
Join OTN  
Oracle ACEs  
Oracle Mix  
Oracle Wiki  
Blogs  
Podcasts  
Events  
Newsletters  
Oracle Magazine

shortcuts GETTING STARTED DOWNLOADS DOCUMENTATION FORUMS ARTICLES SAMPLE CODE TUTORIALS

Printer View E-mail this page Bookmark

## Oracle Database 10g Release 2 (10.2.0.1) Express Edition for Microsoft Windows

You must accept the [OTN License Agreement for Oracle Database Express Edition](#) to download this software.

☒ Accept License Agreement | ☐ Decline License Agreement

**Oracle Database 10g Express Edition (Western European)**  
↓ **OracleXE.exe** (165,332,312 bytes)  
Single-byte LATIN1 database for Western European language storage, with the Database Homepage user interface in English only.

**Oracle Database 10g Express Edition (Universal)**  
↓ **OracleXEUniv.exe** (216,933,372 bytes)  
Multi-byte Unicode database for all language deployment, with the Database Homepage user interface available in the following languages: Brazilian Portuguese, Chinese (Simplified and Traditional), English, French, German, Italian, Japanese, Korean and Spanish.

**Oracle Database 10g Express Client**  
↓ **OracleXECient.exe** (30,943,220 bytes)  
Client software to be installed on client systems for remotely accessing Oracle Database 10g Express Edition. You do not need to install the client onto the same computer as Oracle Database 10g Express Edition.

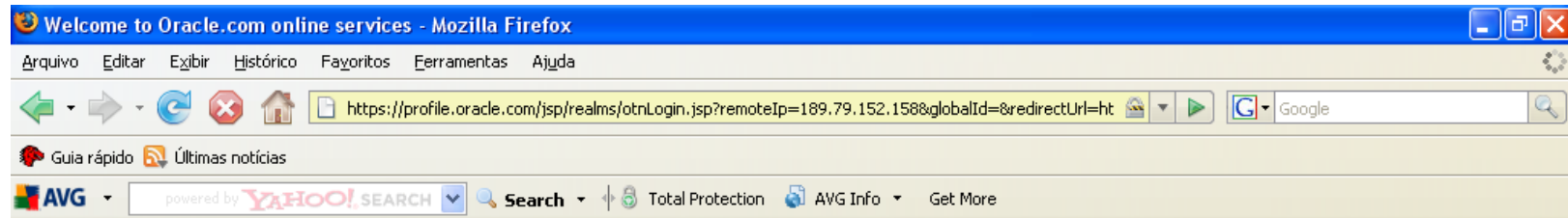
- For more information about the two different distributions see the [Developer Guide](#)
- Before installing please see the [Installation Guide](#)
- After installing, please check out the [Getting Started Guide](#) and take the [Online Tutorial](#)

Internet 100%

Iniciar Oracle Database... f1 Executando e pa... Sem título - Bloco... 21:54

# Instalação do Oracle

Para realizar o download é necessário se cadastrar primeiro.



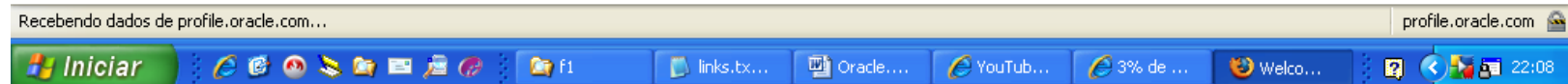
**Please sign in**

The requested web page requires that you sign in first. Please enter your Oracle.com username and password below. If you do not have an account you can [sign up now](#).

(If you are seeing this page even after entering valid credentials, please make sure your browser configuration is such that it accepts cookies)

Username:

Password:



# Instalação do Oracle

Para realizar o download é necessário se cadastrar primeiro.

Single Sign On - Login - Mozilla Firefox

Arquivo Editar Exibir Histórico Favoritos Ferramentas Ajuda

https://login.oracle.com/myssso/signon.jsp?site2pstoretoken=v1.2~72C8A9ED~C2A749535C5178E84F0

Guia rápido Últimas notícias

AVG powered by YAHOO! SEARCH Search Total Protection AVG Info Get More

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**ORACLE**

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### Sign-in

Informe seu nome de usuário e senha de Signon Único.

Nome de usuário

Senha

[Perdeu a sua password?](#)

### Porquê registrar-se?

Registe-se para ter acesso a conteúdos privilegiados e a funções avançadas.

- Subscrições e newsletters
- Acesso a downloads e documentação
- Utilizar aplicações a partir de qualquer lugar e em qualquer momento

**Crie a sua conta já.**

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Concluído login.oracle.com

Iniciar links.tx... Oracle... YouTub... 4% de ... Single ... 22:09

# Instalação do Oracle

Para realizar o download é necessário se cadastrar primeiro.

Create a new account - Windows Internet Explorer

https://profile.oracle.com/jsp/reg/createUser.jsp?src=1180585&act=4&nexturl=http://download-llr

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Favoritos Create a new account

Página Segurança Ferramentas

**ORACLE®**

Register on Oracle.com

Are you a new user?

E-mail

Password  Confirm Password

*Password should be 6 - 8 alpha-numeric characters*  
*You will be asked to sign in after you create your account*

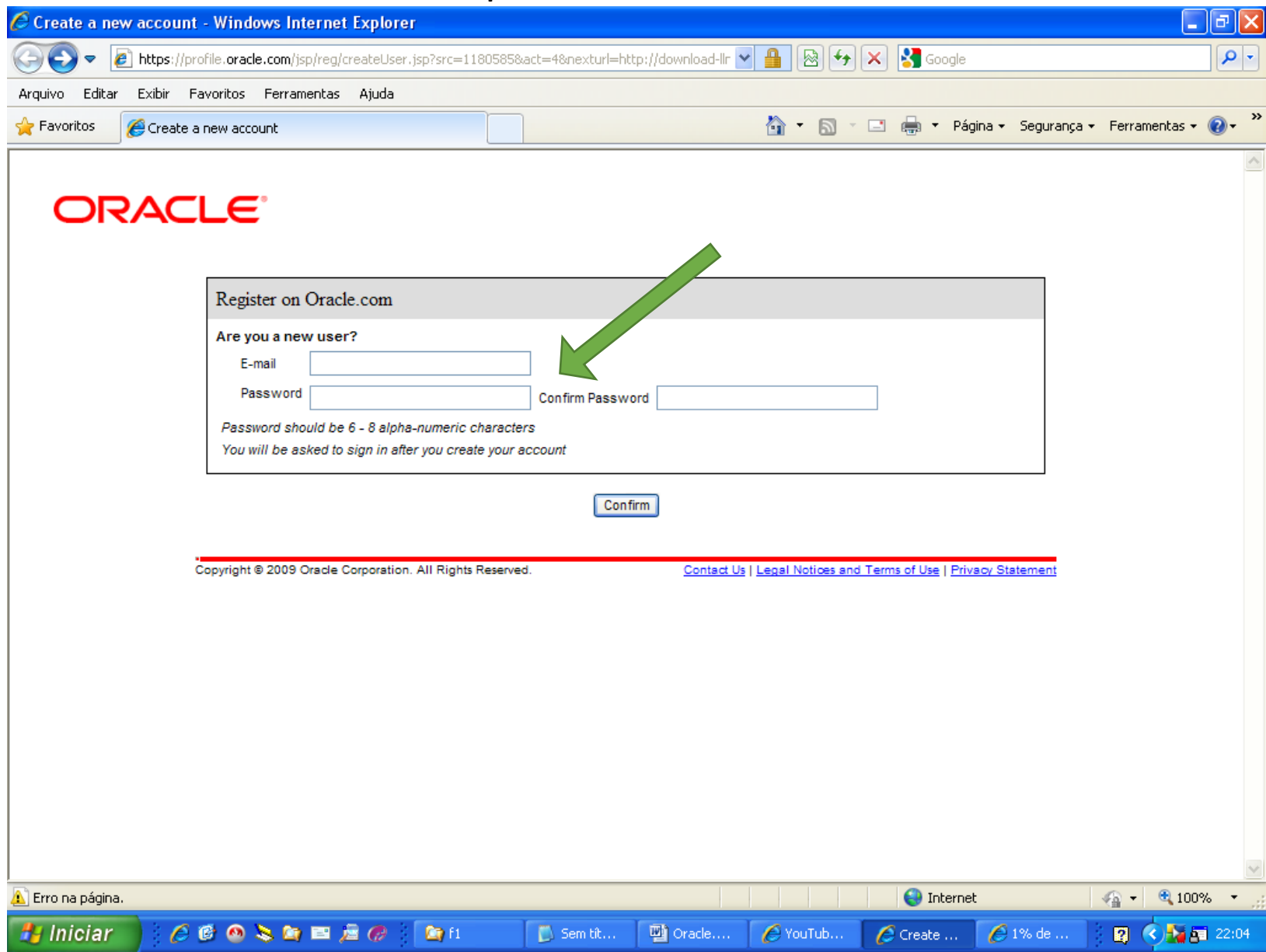
Confirm

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Erro na página.

Internet 100%

Iniciar Sem título Oracle... YouTub... Create ... 1% de ... 22:04

A screenshot of a web browser window showing the Oracle.com registration page. The browser is Windows Internet Explorer. The address bar shows the URL: https://profile.oracle.com/jsp/reg/createUser.jsp?src=1180585&act=4&nexturl=http://download-llr. The page title is "Create a new account". The Oracle logo is at the top. Below it, the heading "Register on Oracle.com" is followed by the question "Are you a new user?". There are three input fields: "E-mail", "Password", and "Confirm Password". A green arrow points to the "E-mail" field. Below the fields, there is a note: "Password should be 6 - 8 alpha-numeric characters" and "You will be asked to sign in after you create your account". A "Confirm" button is at the bottom of the form. The footer contains copyright information and links to "Contact Us", "Legal Notices and Terms of Use", and "Privacy Statement". The browser's status bar at the bottom shows "Erro na página." (Error on page).

# Instalação do Oracle

## Preencha os dados e confirme

**Mozilla Firefox**

Arquivo Editar Exibir Histórico Favoritos Ferramentas Ajuda

https://profile.oracle.com/jsp/reg/createUser.jsp

Guia rápido Últimas notícias

AVG powered by YAHOO! SEARCH Search Total Protection AVG Info Get More

Single Sign On - Login https://profile.o...g/createUser.jsp

**ORACLE**

Please provide the following information needed to create your Oracle.com account. Please also provide your e-mail communication preferences as well.

Your Oracle.com account gives you access to a variety of online application and services. If you are registering for one of these services (such as Oracle Store, Oracle Support or Oracle PartnerNetwork) you will be redirected to that service to complete the registration process.

**My Oracle.com Profile**

\* Indicates a required field

First Name (Given Name)*	<input type="text"/>	Middle Name	<input type="text"/>
Last Name (Family Name)*	<input type="text"/>	Company*	<input type="text"/>
Business Phone*	<input type="text"/>	Business Fax	<input type="text"/>
Your preferred language*	English	Your primary job role*	Please Select
Your company's industry*	Please Select	Your job title*	Please Select

**Company Address**

Country*	United States		
Address 1*	<input type="text"/>	Address 2	<input type="text"/>
City*	<input type="text"/>	State/Province*	<input type="text"/>

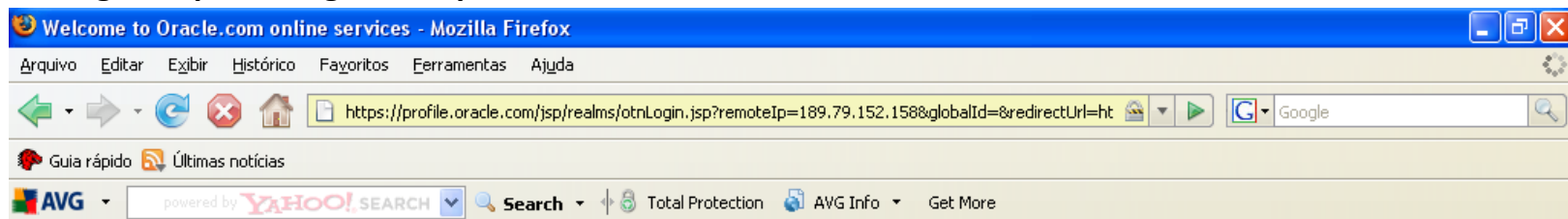
Concluído

Windows taskbar: Iniciar, links.tx..., Oracle..., YouTub..., 6% de ..., Mozilla ... 22:12



# Instalação do Oracle

Volte a tela de login e após se logar você poderá baixar o Oracle



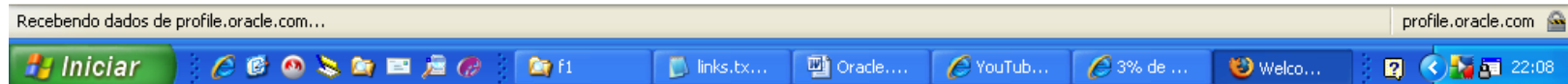
**Please sign in**

The requested web page requires that you sign in first. Please enter your Oracle.com username and password below. If you do not have an account you can [sign up now](#).

(If you are seeing this page even after entering valid credentials, please make sure your browser configuration is such that it accepts cookies)

Username:

Password:



**Após realizar o download, instale o Oracle na sua máquina.**

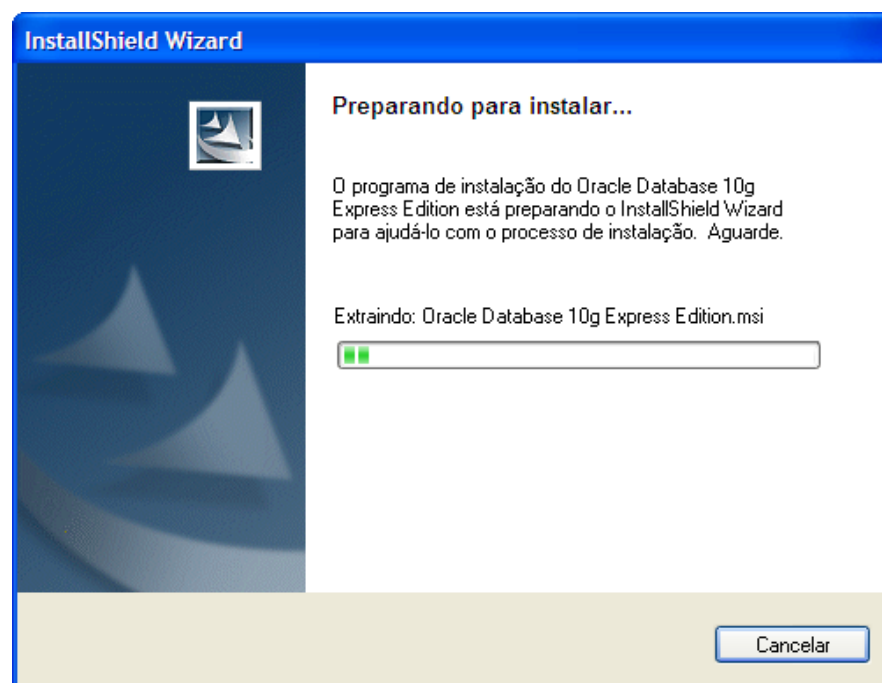
**Para ajudar na instalação eu separei um tutorial sobre como instalar o Oracle.**

**Apesar de estar em espanhol, a instalação é bem tranqüila.**

<http://www.youtube.com/watch?v=7Mk1zAJingQ>

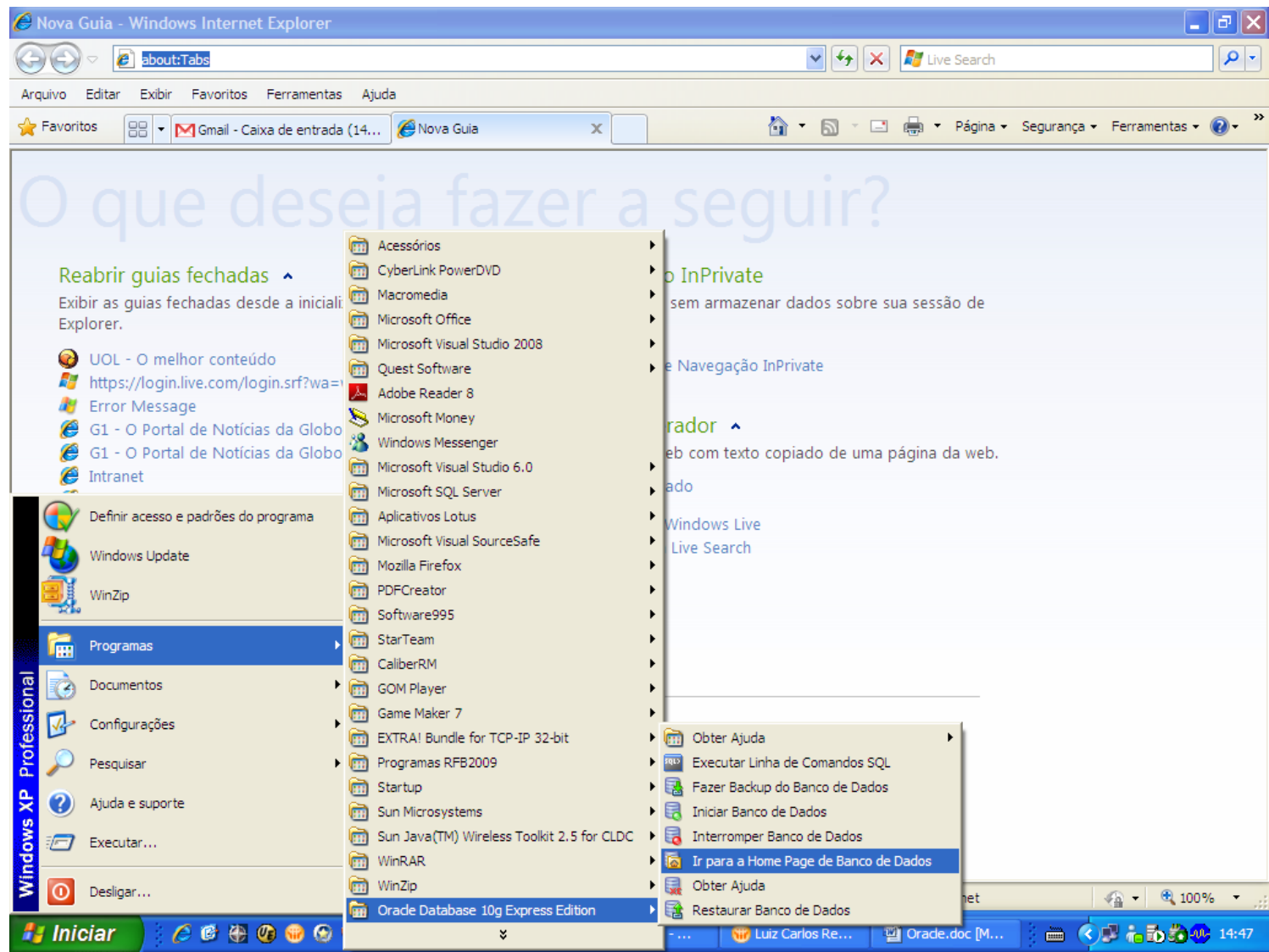
**Na instalação digite a senha do usuário SYSTEM.**

**Não esqueça essa senha, onde será utilizada para entrar no sistema posteriormente.**



# Instalação do Oracle

Após a instalação clique na opção para ir para a Home Page do Oracle.



## Aparecerá a tela de login:

The screenshot shows a web browser window titled "Application Express Login - Windows Internet Explorer". The address bar displays the URL: `http://127.0.0.1:8080/apex/f?p=4550:11:1647676280305508::NO:::`. The browser's menu bar includes File, Edit, View, Favorites, Tools, and Help. The Favorites bar shows "AVG Anti-Virus e Internet Se..." and "Application Express Login". The main content area is titled "ORACLE Database Express Edition".

**Database Login**

Enter your database username and password.

Username

Password

[Click here to learn how to get started](#)

**Links**

- o [License Agreement](#)
- o [Documentation](#)
- o [Forum Registration](#)
- o [Discussion Forum](#)
- o [Product Page](#)

Language: en-us

Application Express

Copyright © 1999, 2006, Oracle. All rights reserved.

Done

Internet 100%

## Aparecerá o ambiente Oracle. Clique em SQL

The screenshot shows the Oracle Database Express Edition web interface. The browser window is titled "Oracle - Windows Internet Explorer" and the address bar shows the URL "http://127.0.0.1:8080/apex/f?p=4500:1000:8998072295687512". The interface includes a menu bar (File, Edit, View, Favorites, Tools, Help) and a toolbar. The main content area displays the "ORACLE Database Express Edition" header, the user "SYSTEM", and a "Home" link. Below this, there are four icons: Administration, Object Browser, SQL, and Utilities. A green arrow points to the SQL icon. On the right side, there are two panels: "Links" with a list of links (License Agreement, Getting Started, Learn more, Documentation, Forum Registration, Discussion Forum, Product Page) and "Usage Monitor" showing storage (900MB), memory (305MB), sessions (4 Total, 1 Active), and users (12 Internal, 1 Database, 13 Total). The footer shows "Language: en-us" and "Application Express 2.1.0.00.39 Copyright © 1999, 2006, Oracle. All rights reserved."

Oracle - Windows Internet Explorer

http://127.0.0.1:8080/apex/f?p=4500:1000:8998072295687512

File Edit View Favorites Tools Help

AVG Anti-Virus e Internet Se... Oracle

ORACLE Database Express Edition

User: SYSTEM

Home

Administration Object Browser SQL Utilities

Links

- License Agreement
- Getting Started
- Learn more
- Documentation
- Forum Registration
- Discussion Forum
- Product Page

Usage Monitor

Storage: 900MB

0% 50% 100%

Memory: 305MB

0% 50% 100%

Sessions:

4 Total

1 Active

Users:

12 Internal

1 Database

13 Total

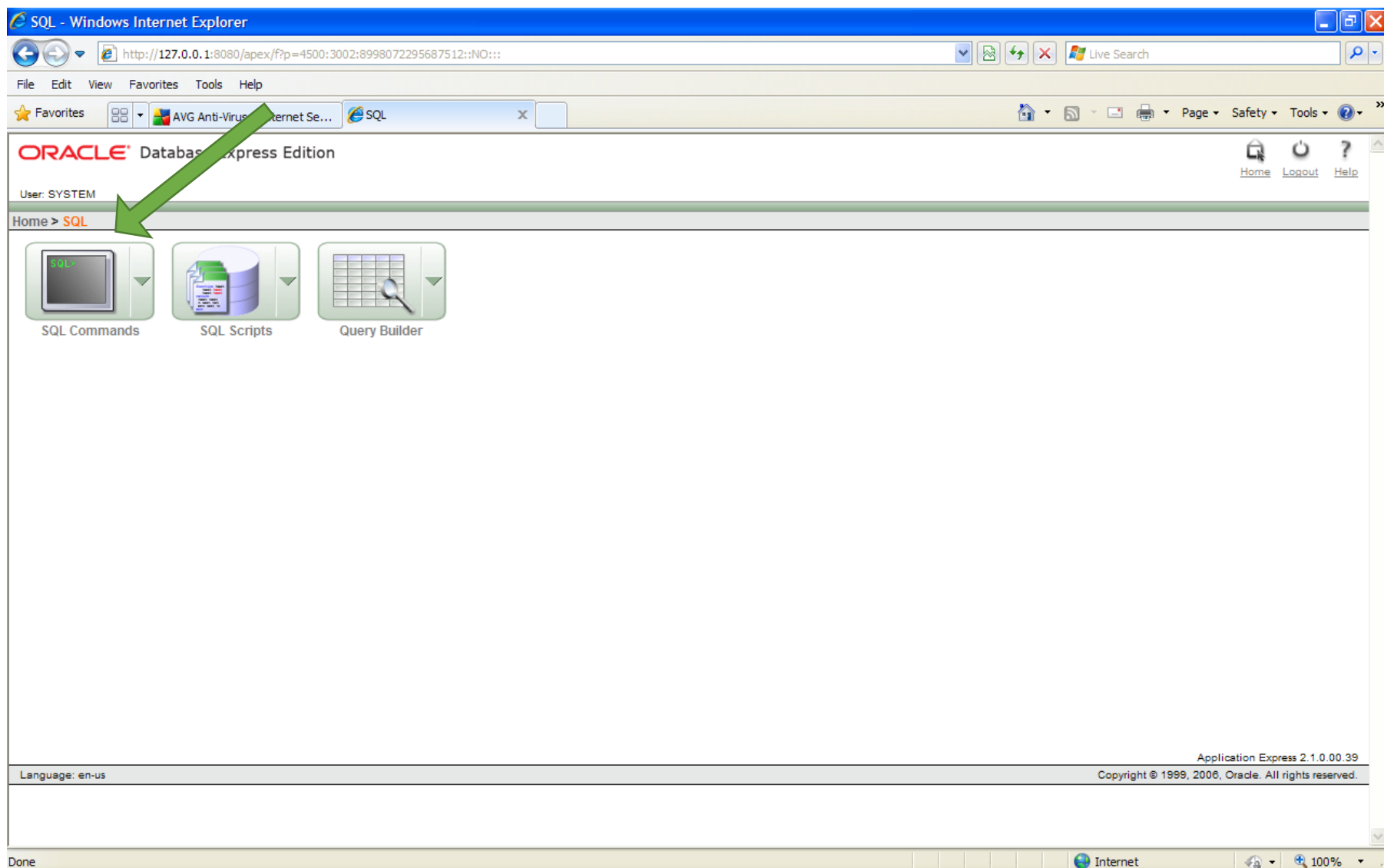
Log Archiving: Off

Application Express 2.1.0.00.39

Language: en-us

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**Aparecerá o ambiente Oracle. Clique em SQL**

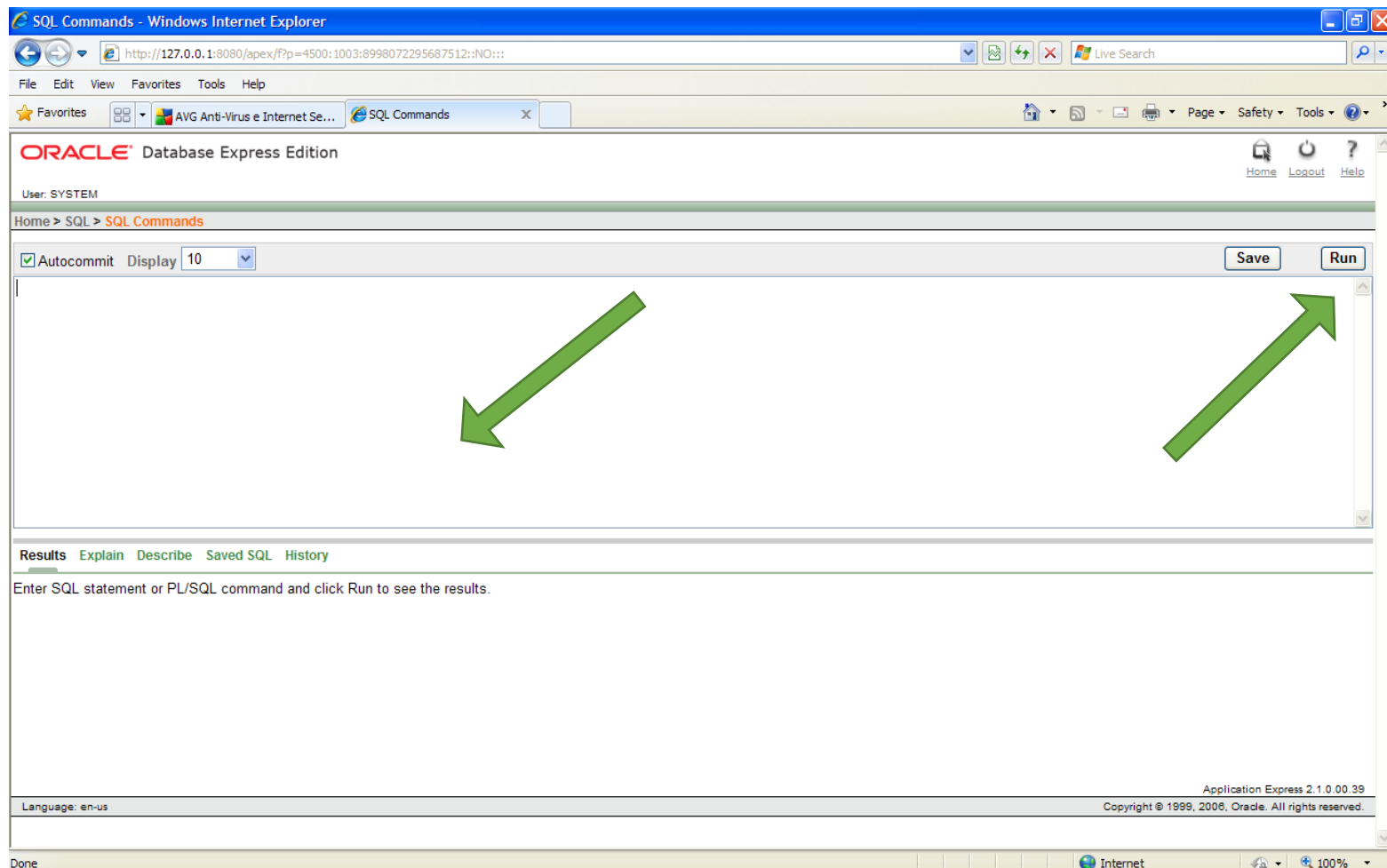


# Instalação do Oracle

**Digite os seguintes comandos abaixo e clique em Executar.**

**SELECT \* from hr.employees (Executar)**

**SELECT \* from hr.departments (Executar) (Um comando por vez)**



# Instalação do Oracle

Deverá apresentar a seguinte resultado.

SQL Commands - Windows Internet Explorer

http://127.0.0.1:8080/apex/f?p=4500:1003:963975102499521::NO::

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

Favoritos Gmail: Email from Google SQL Commands

Oracle Database Express Edition

User: HR

Home > SQL > SQL Commands

☒ Autocommit Display 10 Save

select \* from hr.employees

Results Explain Describe Saved SQL History

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTM
100	Steven	King	SKING	515.123.4567	17-JUN-87	AD_PRES	24000	-	-	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-SEP-89	AD_VP	17000	-	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	13-JAN-93	AD_VP	17000	-	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	03-JAN-90	IT_PROG	9000	-	102	60
104	Bruce	Ernst	BERNST	590.423.4568	21-MAY-91	IT_PROG	6000	-	103	60
105	David	Austin	DAUSTIN	590.423.4569	25-JUN-97	IT_PROG	4800	-	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	05-FEB-98	IT_PROG	4800	-	103	60

Concluido

Internet 100%

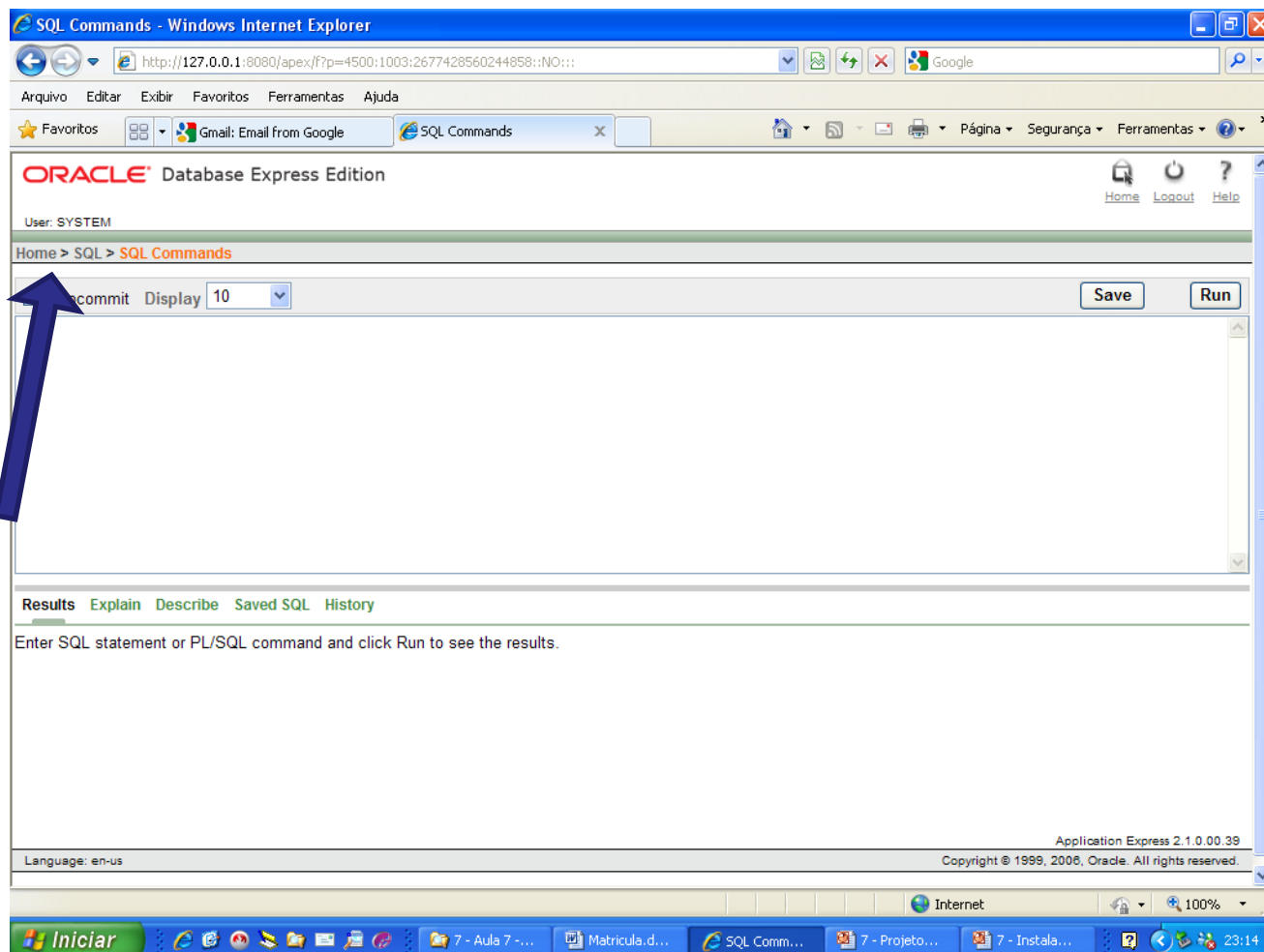
Iniciar 7 - Aula 7 - ... Matricula.d... SQL Comm... 7 - Projeto... 7 - Instala... 23:32



# Instalação do Oracle

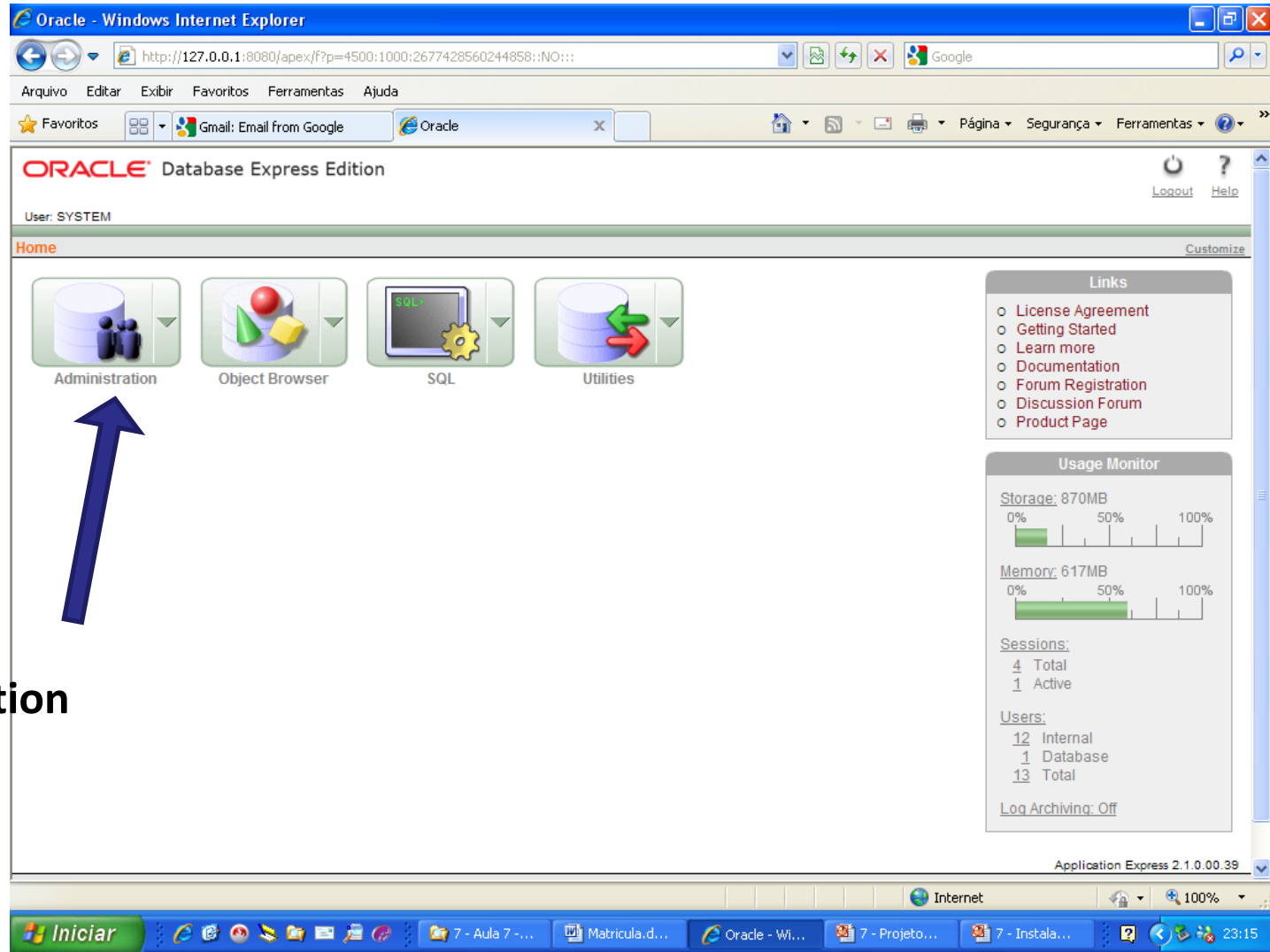
O próximo passo será desbloquear o usuário “HR”, no qual será o usuário que terá acesso as tabelas que já vem instaladas no Oracle, e que utilizaremos até o final deste curso.

Clique em Home



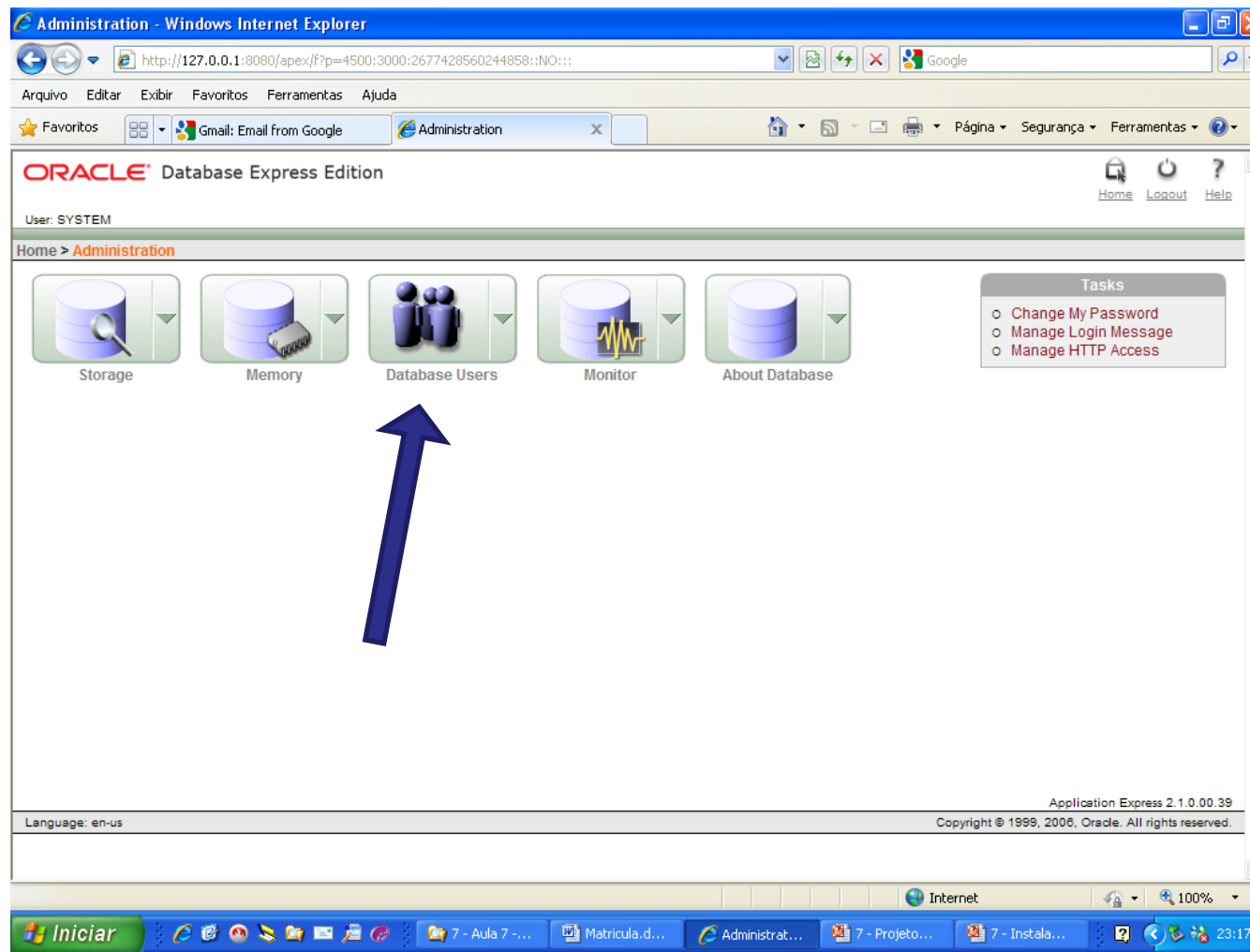
## Desbloqueando o usuário HR

Clique em  
Administration



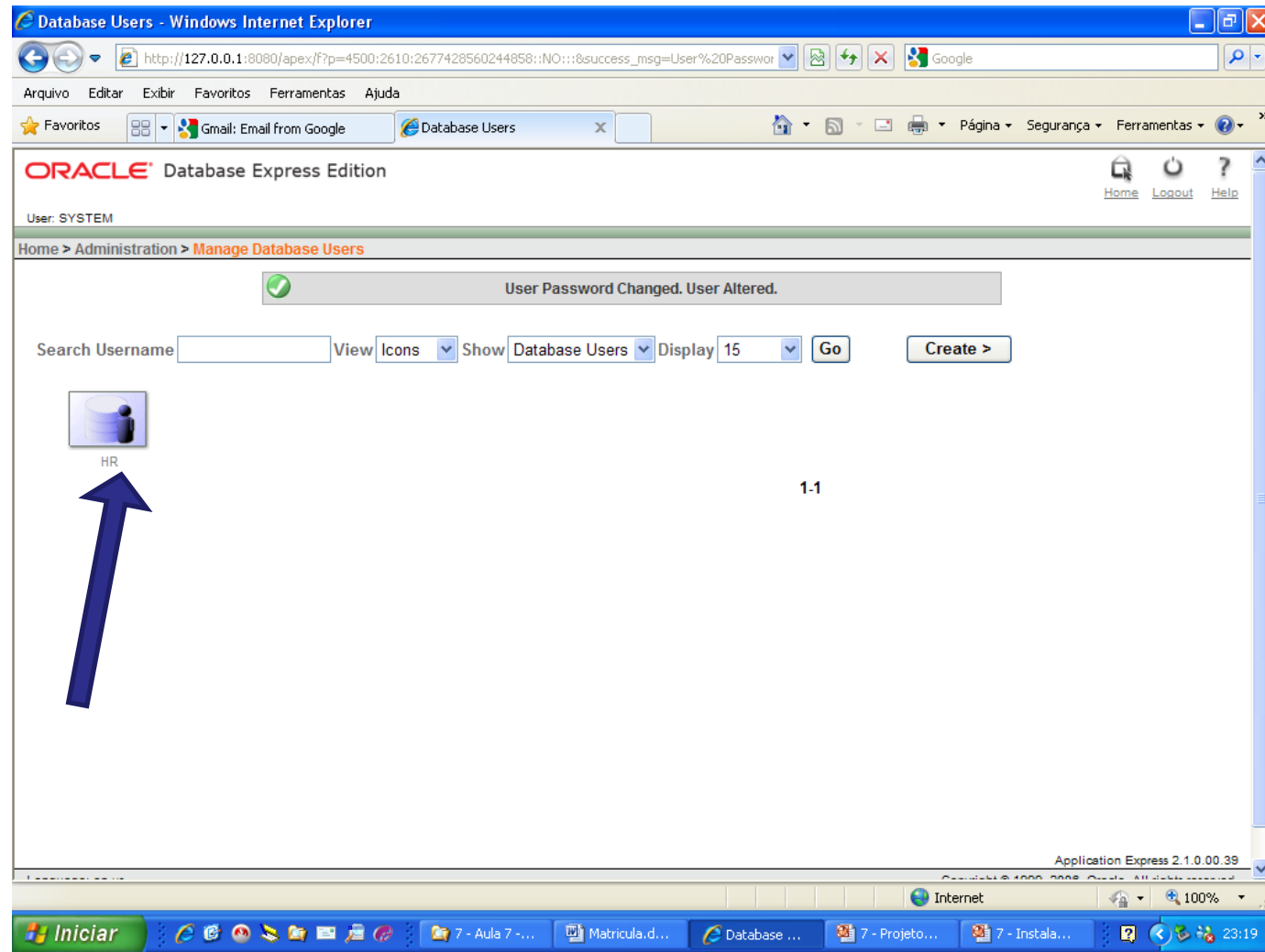
## Desbloqueando o usuário HR

Clique em  
DataBase Users



## Desbloqueando o usuário HR

Clique no  
Usuário HR



## Desbloqueando o usuário HR

Desbloqueie o usuário, defina uma nova senha clique nas opções indicadas e selecione Alterar Usuário

Manage Database User - Windows Internet Explorer

http://127.0.0.1:8080/apex/f?p=4500:2613:2677428560244858::NO:RP,2613:P2613\_USER\_ID:9609657

Arquivo Editar Exibir Favoritos Ferramentas Ajuda

★ Favoritos Gmail: Email from Google Manage Database User

ORACLE® Database Express Edition

User: SYSTEM

Home > Administration > Manage Database Users > User

Manage Database User Cancel Drop Alter User

Username HR

Password

Confirm Password

Expire Password ☐

Account Status Unlocked

Default Tablespace: Locked

Temporary Tablespace: Unlocked

Database Users

All database objects are owned by a database user. Use this page to manage common user attributes such as passwords and privileges. Use SQL Commands to manage additional user attributes.

User Privileges

Roles:

☒ CONNECT ☒ RESOURCE ☐ DBA

Directly Granted System Privileges:

☒ CREATE DATABASE LINK ☐ CREATE MATERIALIZED VIEW ☒ CREATE PROCEDURE

☐ CREATE PUBLIC SYNONYM ☐ CREATE ROLE ☒ CREATE SEQUENCE

☒ CREATE SYNONYM ☒ CREATE TABLE ☒ CREATE TRIGGER

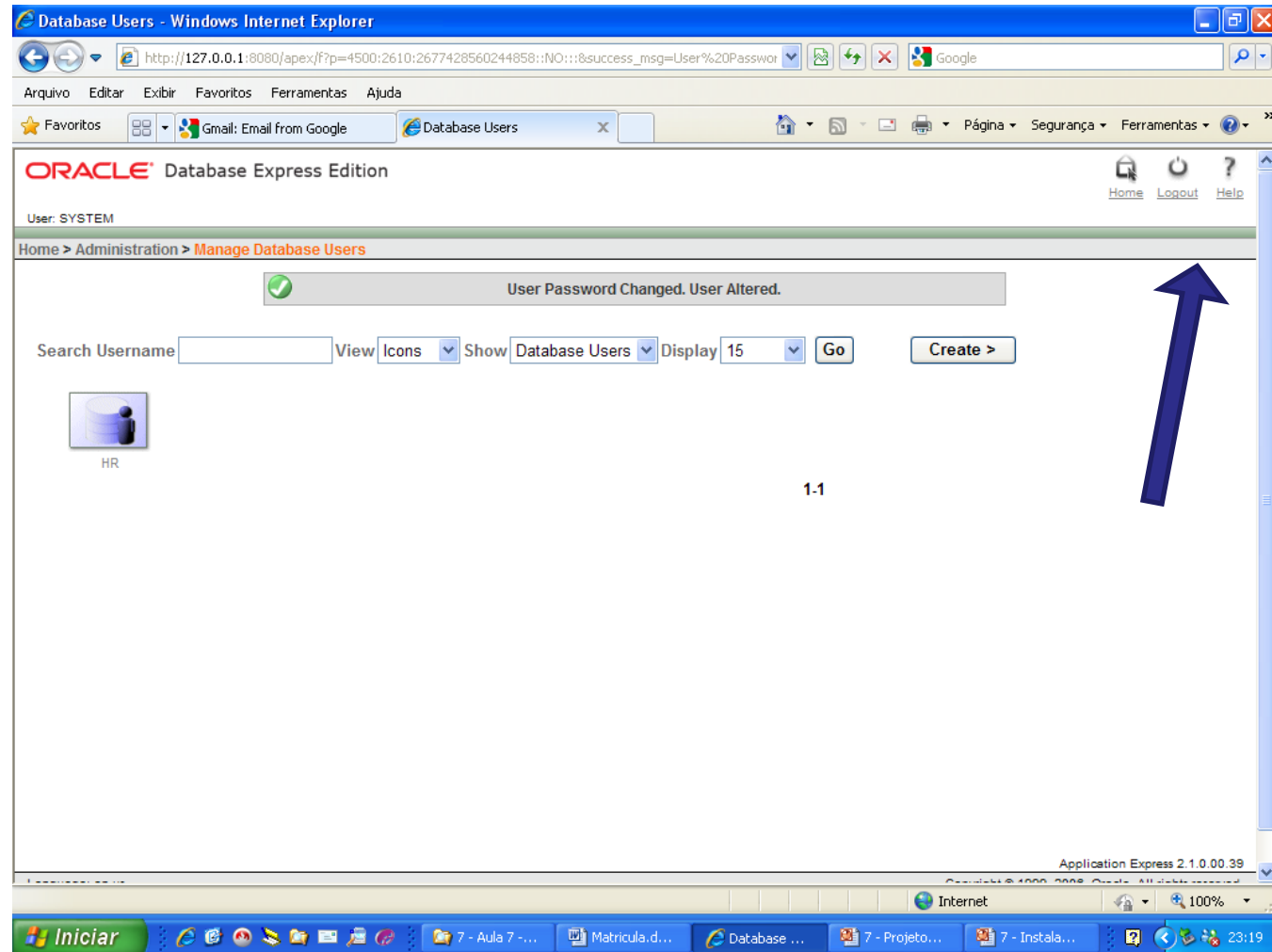
☐ CREATE TYPE ☒ CREATE VIEW

Check All Uncheck All

➤ All System Privileges Granted to HR

## Desbloqueando o usuário HR

Clique em logout  
e entre  
novamente com o  
usuário HR e a  
senha escolhida.



# Instalação do Oracle

**Material de apoio:**

**Login no Oracle**

[http://www.youtube.com/watch?v=3\\_g8njyvm8o](http://www.youtube.com/watch?v=3_g8njyvm8o)

**Aula Criando primeiras consultas Oracle**

<http://www.youtube.com/watch?v=Jy213fMt1aI>

# Referências Bibliográficas

[1] [http://www.oracle.com/global/br/corporate/press/2006\\_mar/bd-10g-express-ed\\_chega\\_mercado.html](http://www.oracle.com/global/br/corporate/press/2006_mar/bd-10g-express-ed_chega_mercado.html)

[2]

[http://www.oracle.com/technology/products/database/application\\_express/pdf/apex\\_overview.pdf](http://www.oracle.com/technology/products/database/application_express/pdf/apex_overview.pdf)