Lab-1

CSE- 302

Database Management System Sessional

Oracle Database

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An object-relational database can be said to provide a middle ground between ***relational databases*** and ***object-oriented databases***.

Relational database is a digital database whose organization is based on the relational model of data.

An object database is a database management system in which information is represented in the form of objects as used in object-oriented programming.

History

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In 1979, RSI introduced Oracle V2 as the first commercially available **SQL**-based RDBMS.

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In 1979, RSI introduced Oracle V2 as the first commercially available **SQL**-based RDBMS.

In 1983, RSI became Oracle Systems Corporation and then later Oracle Corporation.

The name *Oracle* comes from the code-name of a CIA (**Central Intelligence Agency**)

Cont…

- **The Oracle RDBMS** stores data logically in the form of **tablespaces** and physically in the form of **data files**.

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- **The Oracle RDBMS** stores data logically in the form of **tablespaces** and physically in the form of **data files**.
- Every Oracle database has a **control file.** Contains Physically structure information.
- Every Oracle database has a set of two or more **redo log files.** Used only to recover the database from a system or media failure.
- Oracle DB runs on most major platforms, including Windows, UNIX, Linux and Mac OS

Cont…

- Different software versions are available, based on requirements and other features like:

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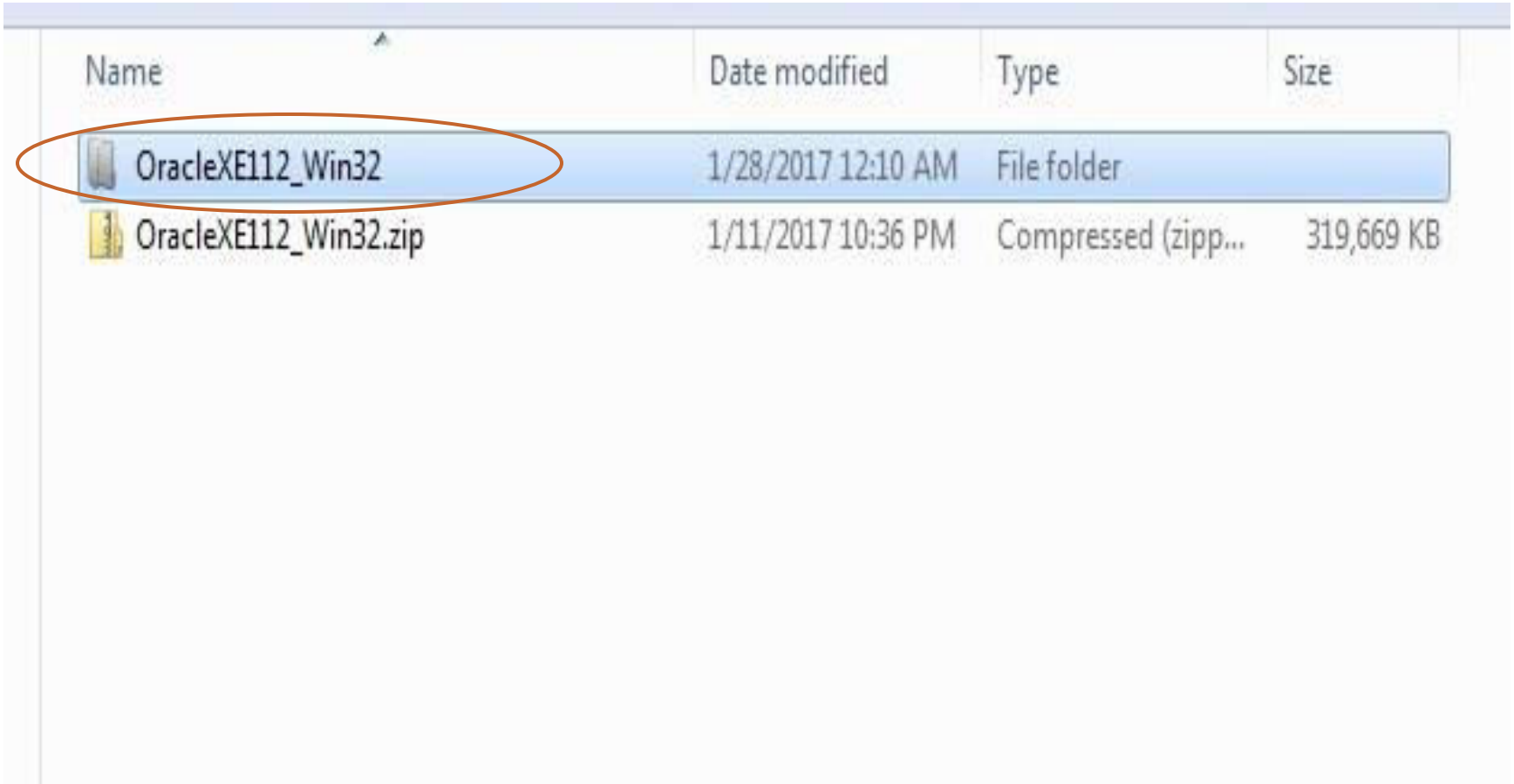
- Different software versions are available, based on requirements and other features like:
  - Enterprise Edition: Offers all features, including superior performance and security, and is the most robust.
  - Standard Edition: Contains base functionality for users that do not require Enterprise Edition's robust package
  - Express Edition (XE): The lightweight, free and limited Windows and Linux edition
  - Oracle Lite: For mobile devices

Cont…

- Oracle Database software comes in 63 language-versions.
- Oracle Corporation has translated Oracle Database error-messages into several languages.
- Oracle Corporation provides database developers with tools and mechanisms for producing internationalized database applications.
- In 2016 the latest Oracle Database (12.1.0.2) comes in two editions:
  - Oracle Database 12*c* **Enterprise Edition** (EE)
  - Oracle Database 12*c* **Standard Edition 2** (SE2)

Oracle 11g Installation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Date modified
Type
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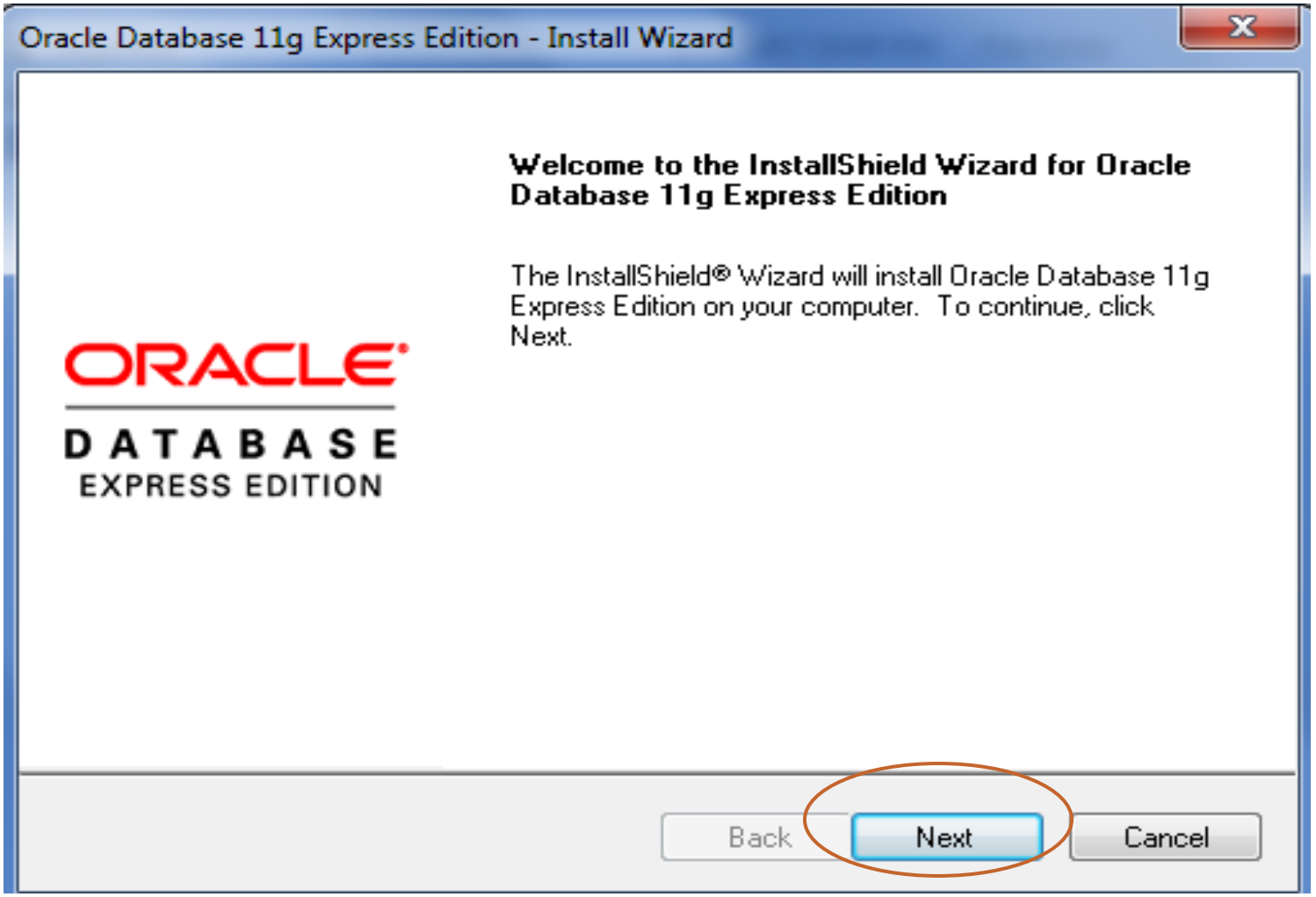
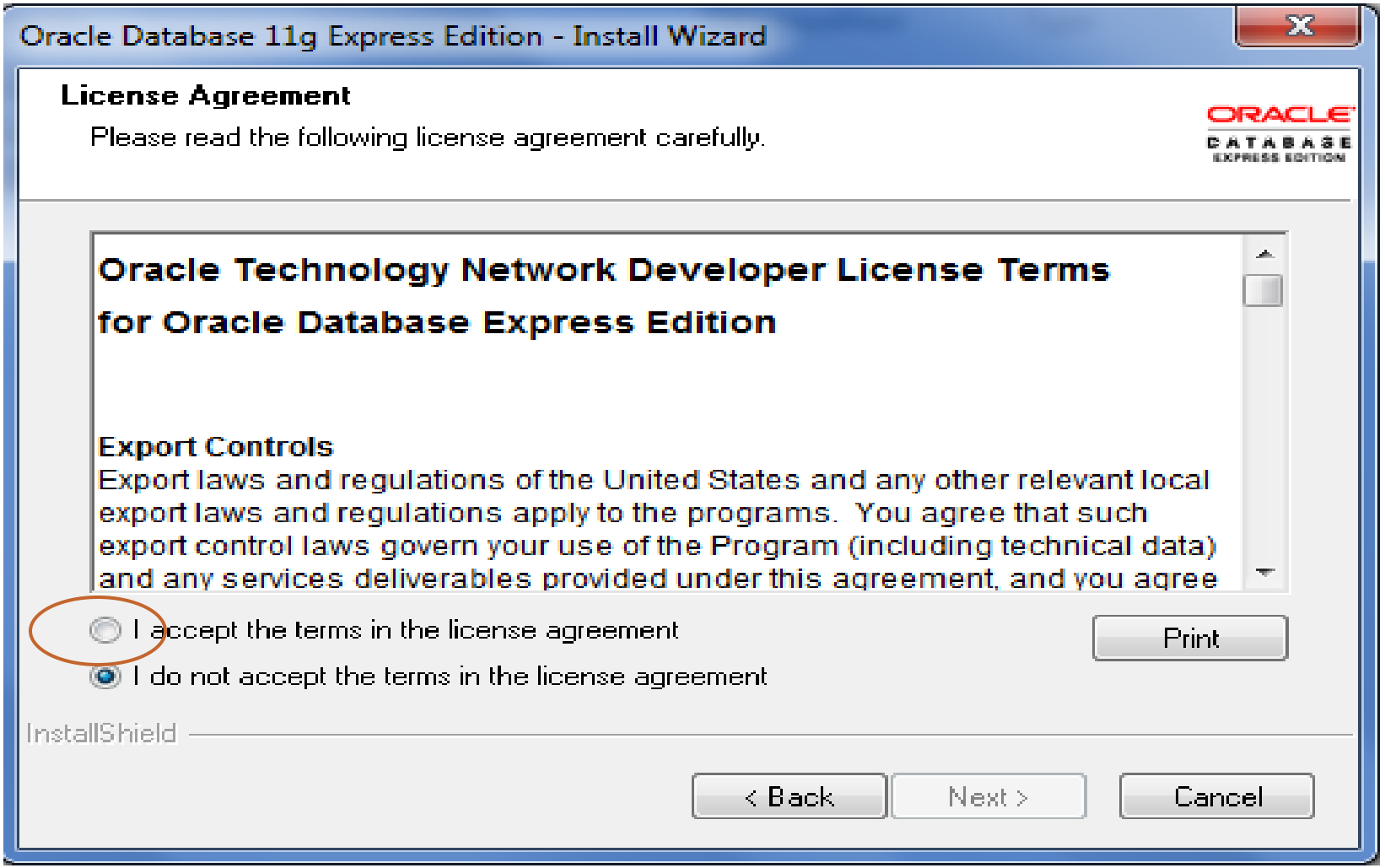
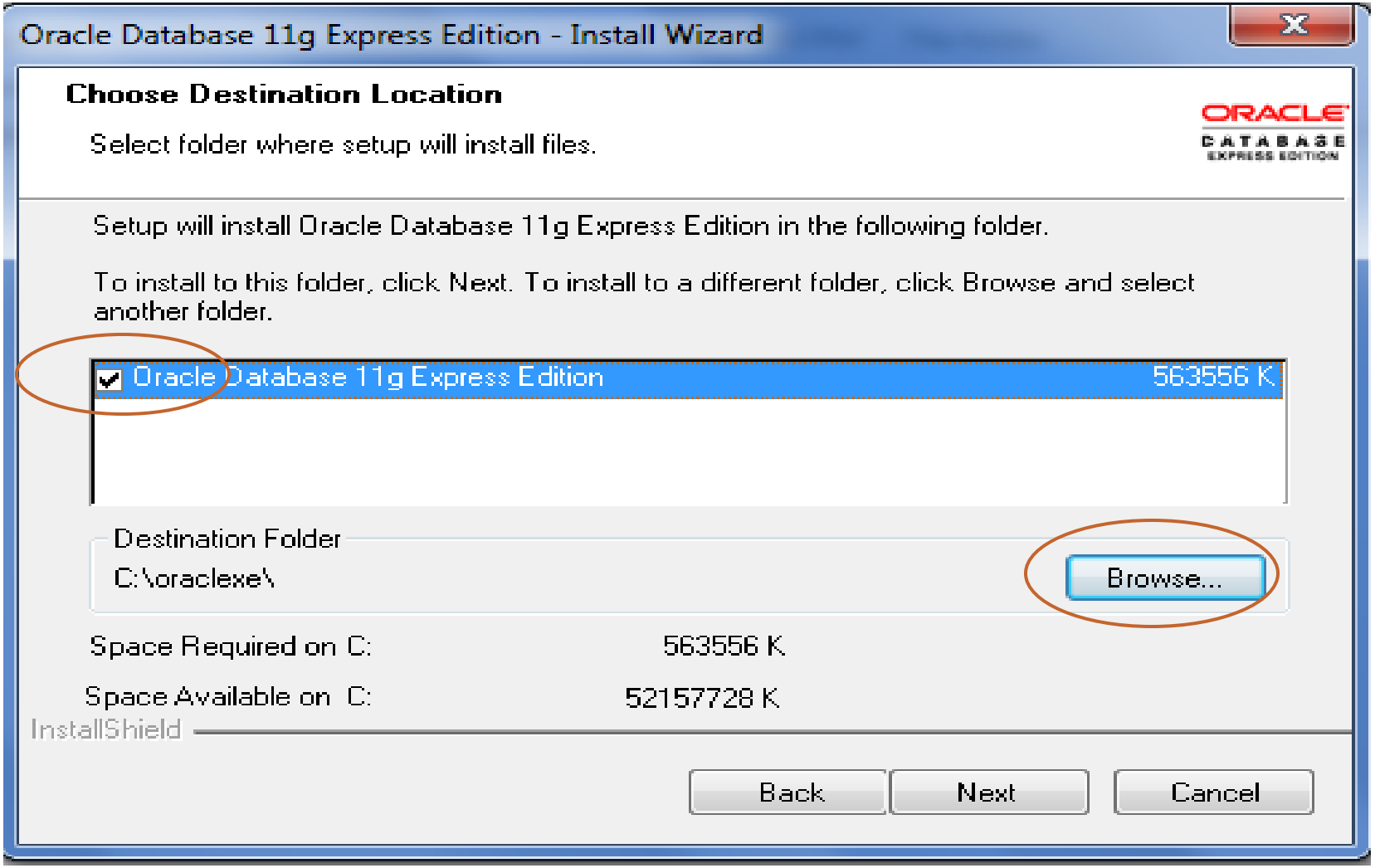
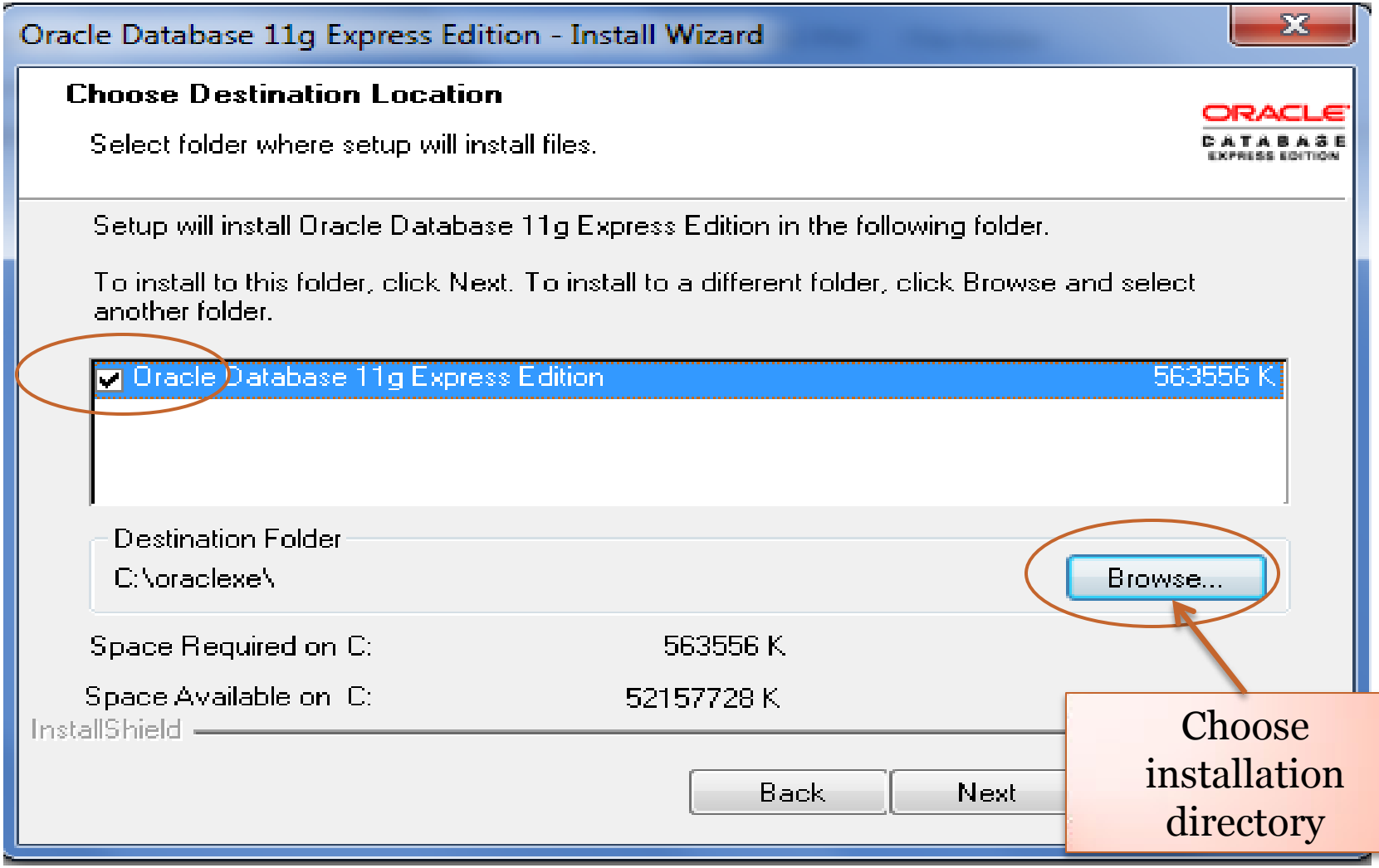
319,669 KB


Oracle Database 11g Express Edition - Install Wizard
Welcome to the InstallShield Wizard for Oracle Database 11g Express Edition
The InstallShield® Wizard will install Oracle Database 11g Express Edition on your computer. To continue, click Next.
ORACLE
DATABASE
EXPRESS EDITION
Back
Next
Cancel


Oracle Database 11g Express Edition - Install Wizard
License Agreement
Please read the following license agreement carefully.
ORACLE
DATABASE
EXPRESS EDITION
Oracle Technology Network Developer License Terms
for Oracle Database Express Edition
Export Controls
Export laws and regulations of the United States and any other relevant local export laws and regulations apply to the programs. You agree that such export control laws govern your use of the Program (including technical data) and any services deliverables provided under this agreement, and you agree
I accept the terms in the license agreement
I do not accept the terms in the license agreement
Print
InstallShield
< Back
Next >
Cancel


Oracle Database 11g Express Edition - Install Wizard
Choose Destination Location
Select folder where setup will install files.
ORACLE
DATABASE
EXPRESS EDITION
Setup will install Oracle Database 11g Express Edition in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Oracle Database 11g Express Edition 563556 K
Destination Folder
C:\oraclexe\
Browse...
Space Required on C: 563556 K
Space Available on C: 52157728 K
InstallShield
Back
Next
Cancel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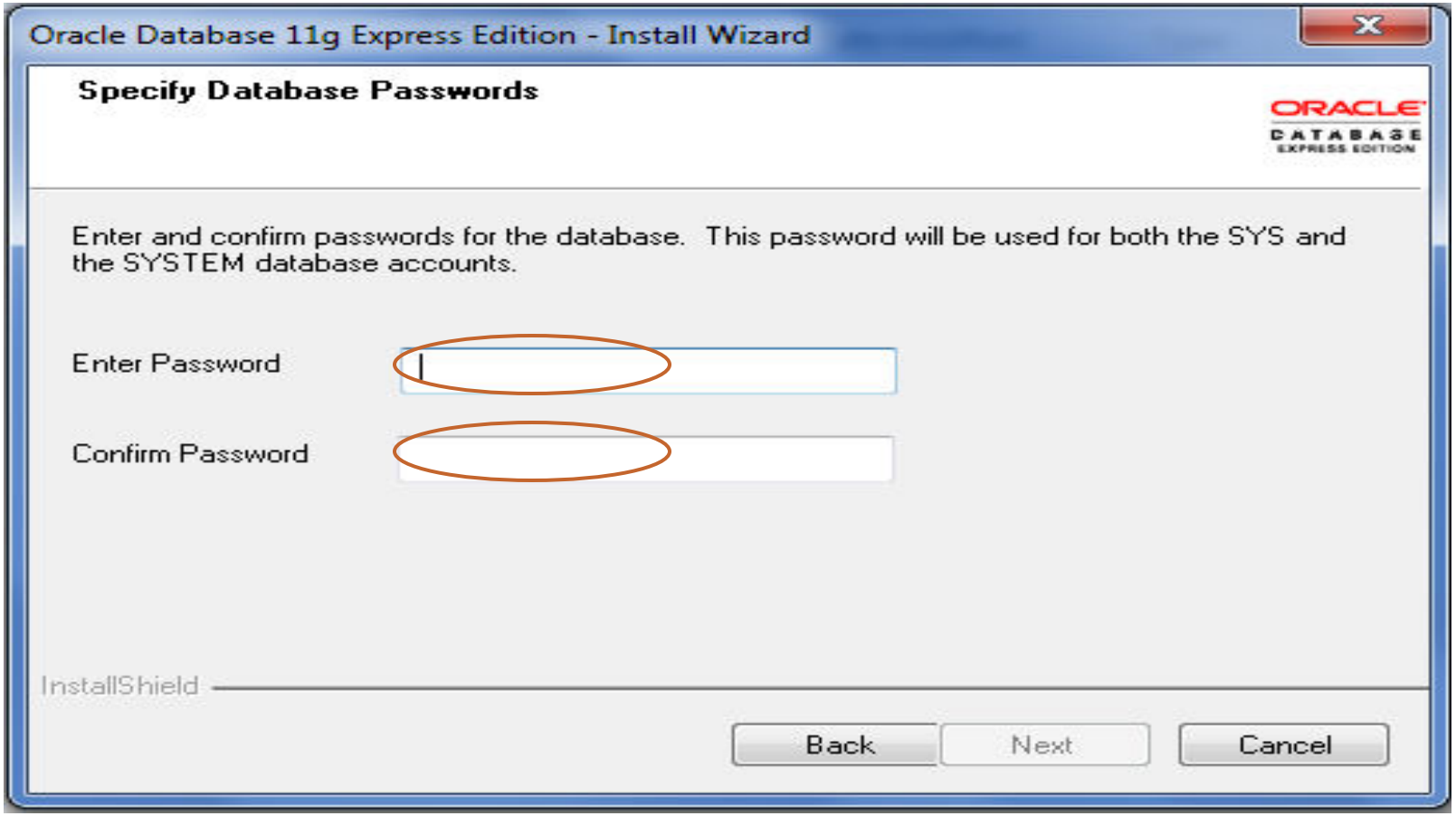
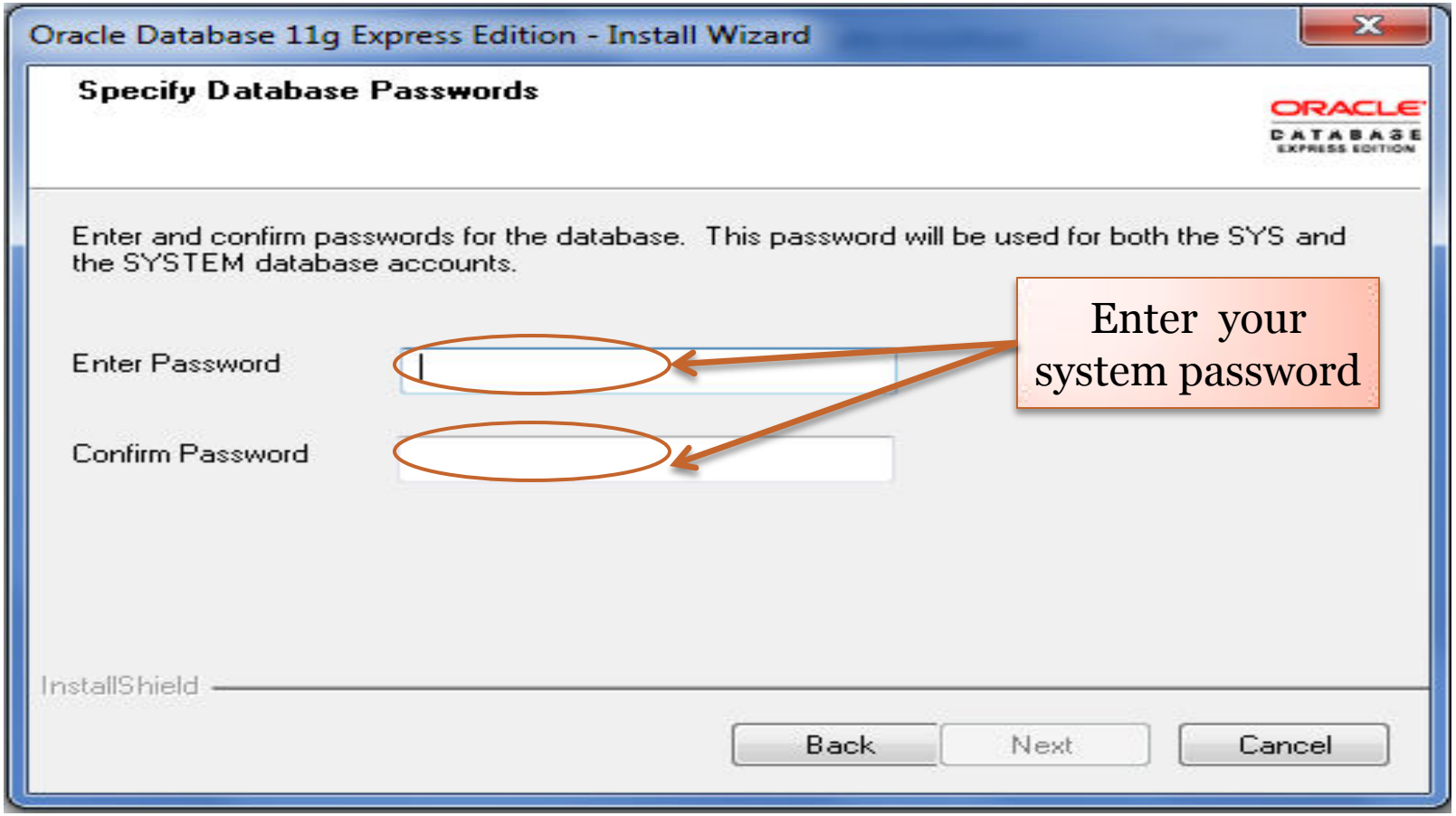
Oracle Database 11g Express Edition 563556 K
Destination Folder
C:\oraclexe\
Browse...
Space Required on C: 563556 K
Space Available on C: 52157728 K
InstallShield
Back
Next
Choose installation directory


Oracle Database 11g Express Edition - Install Wizard
Specify Database Passwords
ORACLE
DATABASE
EXPRESS EDITION
Enter and confirm passwords for the database. This password will be used for both the SYS and the SYSTEM database accounts.
Enter Password
Confirm Password
InstallShield
Back
Next
Cancel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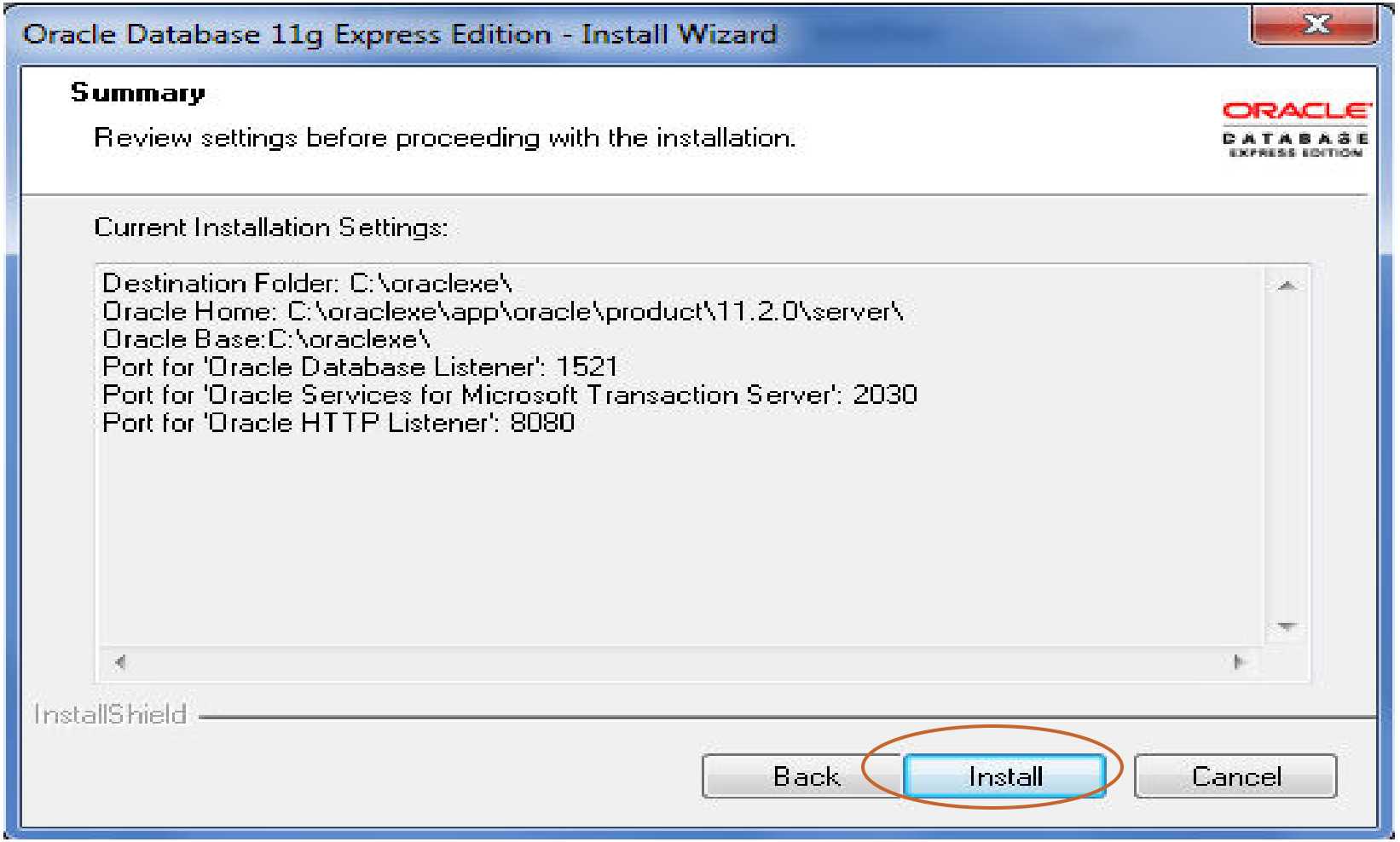
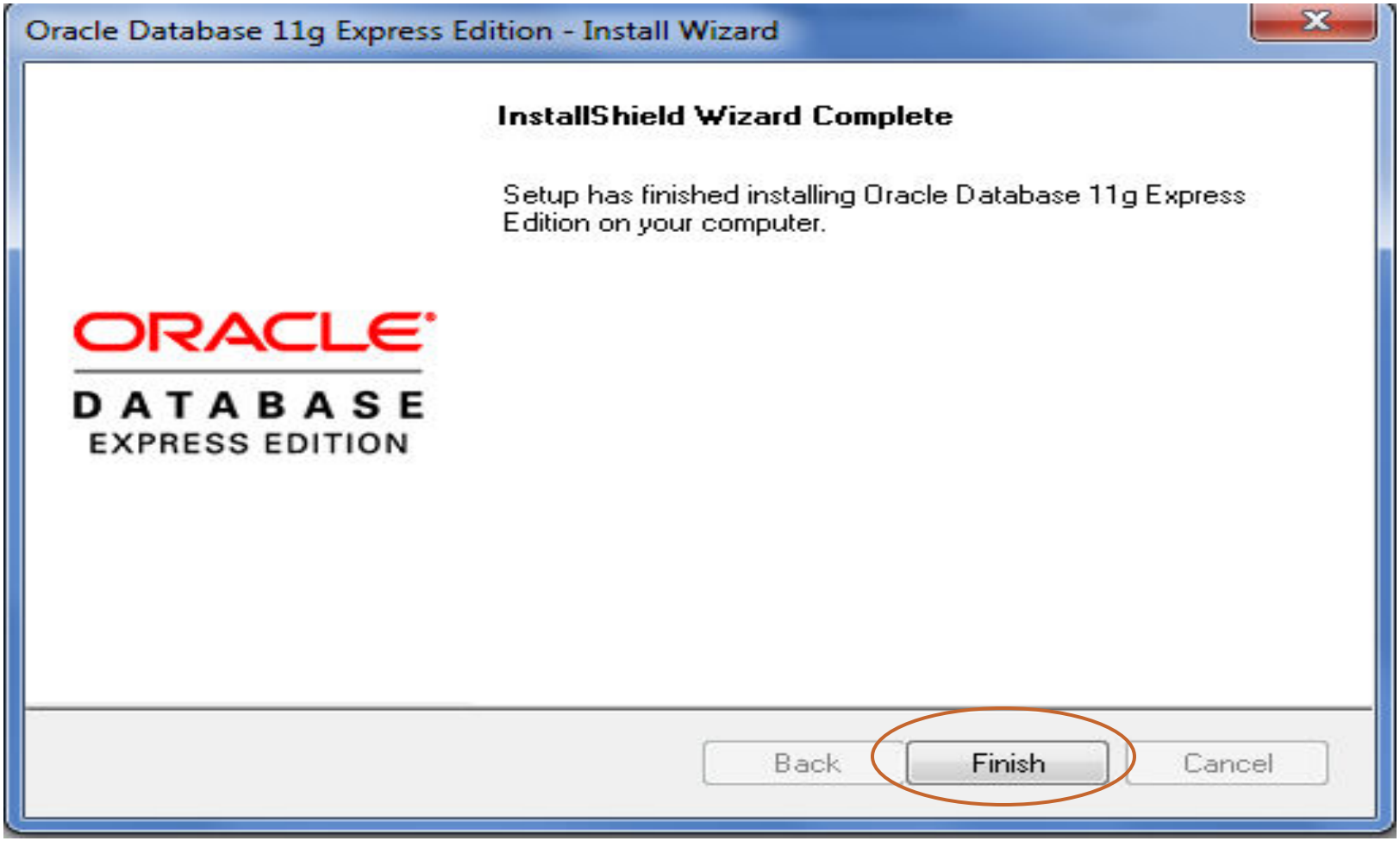
ORACLE
DATABASE
EXPRESS EDITION
Enter and confirm passwords for the database. This password will be used for both the SYS and the SYSTEM database accounts.
Enter Password
Confirm Password
Enter your system password
InstallShield
Back
Next
Cancel


Oracle Database 11g Express Edition - Install Wizard
Summary
Review settings before proceeding with the installation.
ORACLE
DATABASE
EXPRESS EDITION
Current Installation Settings:
Destination Folder: C:\oraclexe\
Oracle Home: C:\oraclexe\app\oracle\product\11.2.0\server\
Oracle Base:C:\oraclexe\
Port for 'Oracle Database Listener': 1521
Port for 'Oracle Services for Microsoft Transaction Server': 2030
Port for 'Oracle HTTP Listener': 8080
InstallShield
Back
Install
Cancel


Oracle Database 11g Express Edition - Install Wizard
InstallShield Wizard Complete
Setup has finished installing Oracle Database 11g Express Edition on your computer.
ORACLE
DATABASE
EXPRESS EDITION
Back
Finish
Cancel

ORACLE Application Express

Enter Application Express workspace and credentials.

Workspace

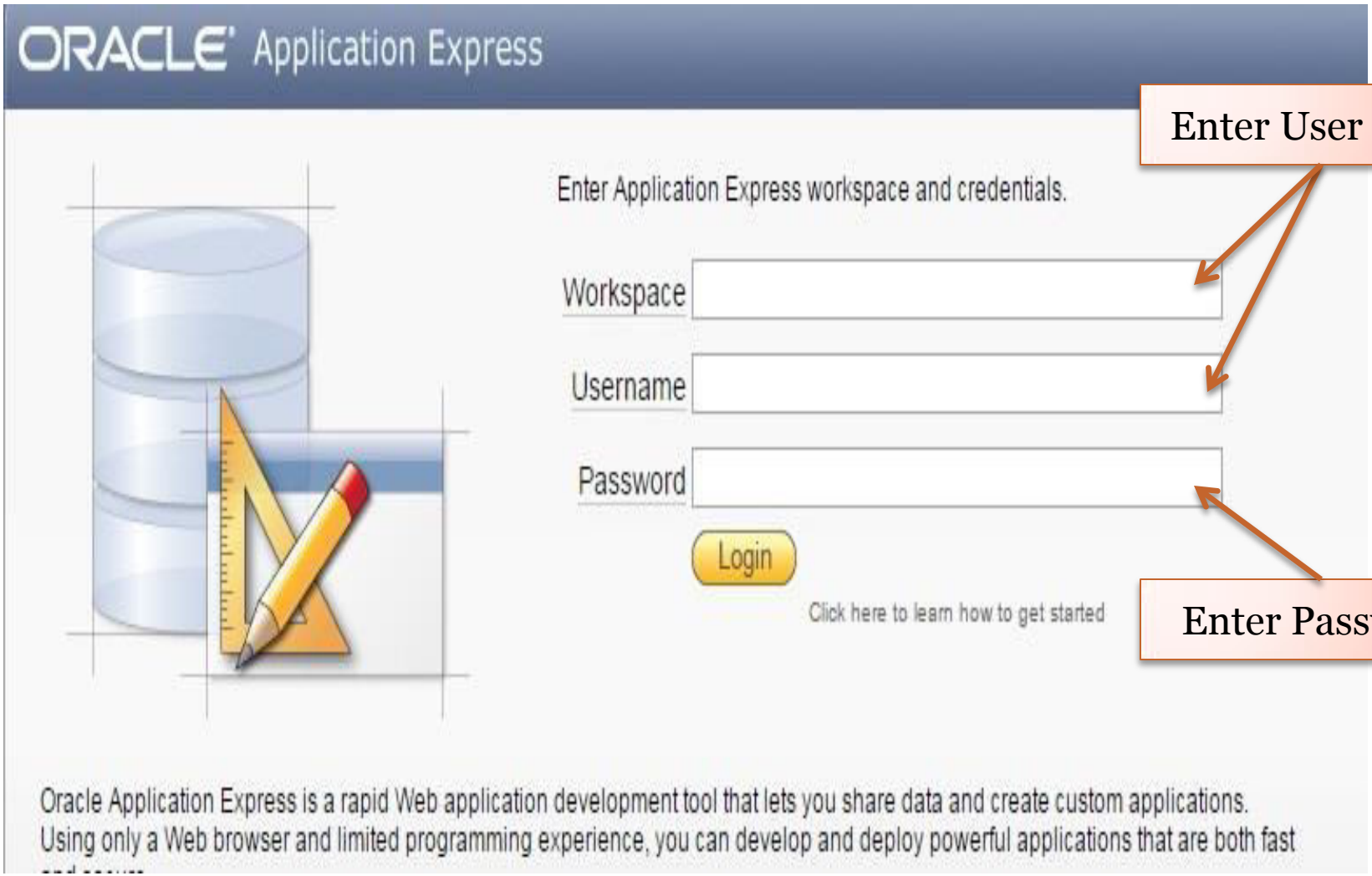
Username

Password

Login

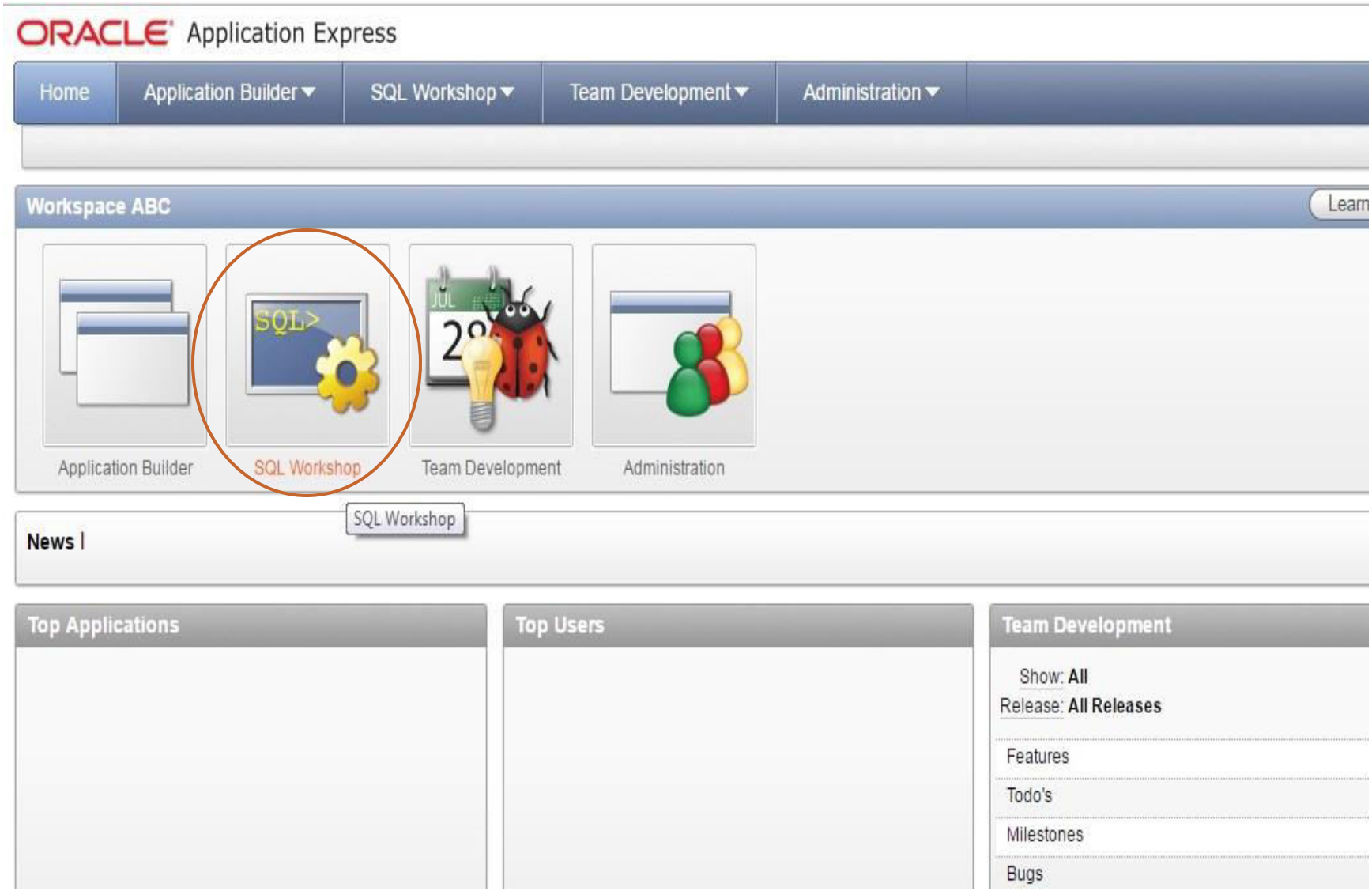
Click here to learn how to get started

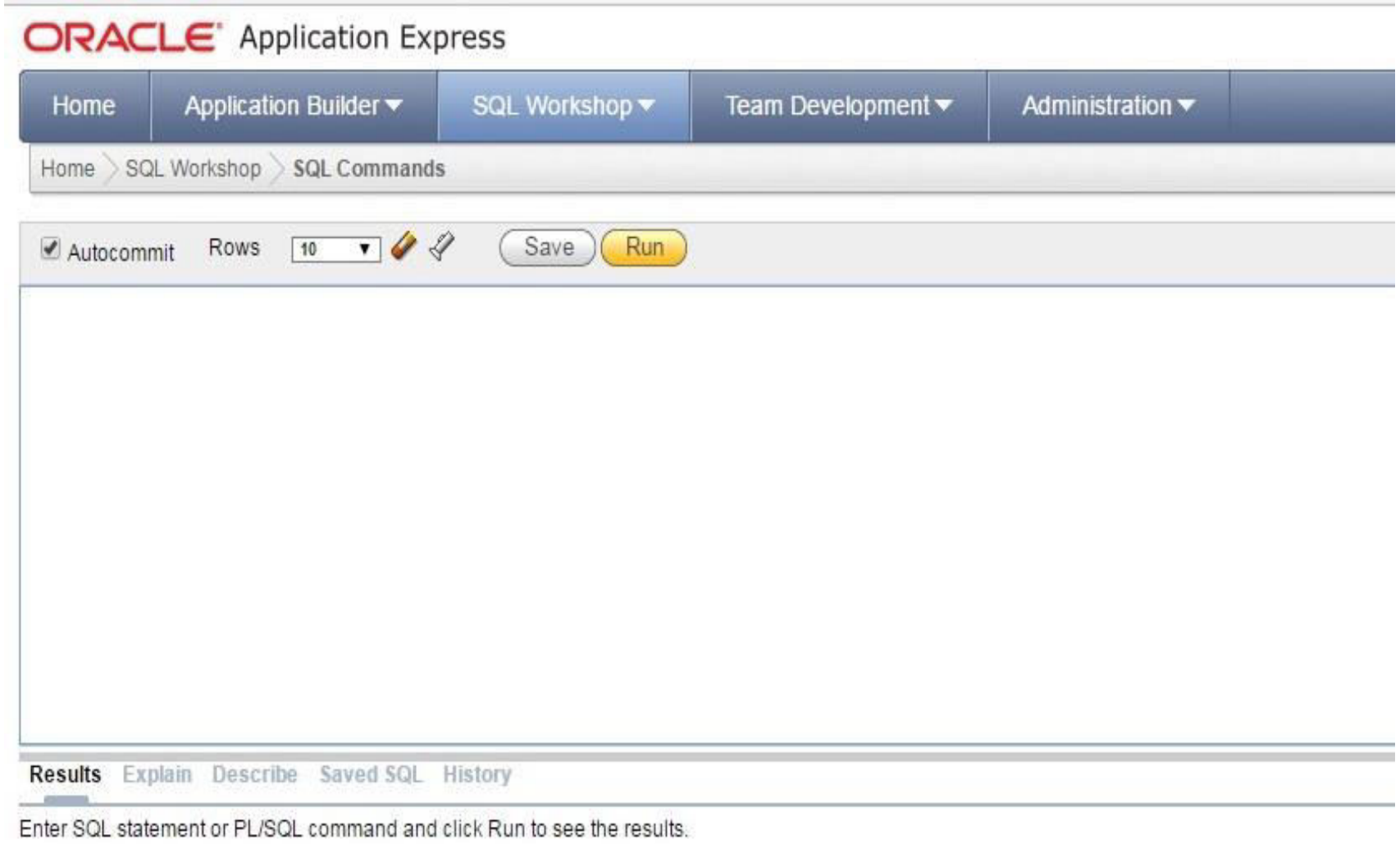
Oracle Application Express is a rapid Web application development tool that lets you share data and create custom applications. Using only a Web browser and limited programming experience, you can develop and deploy powerful applications that are both fast

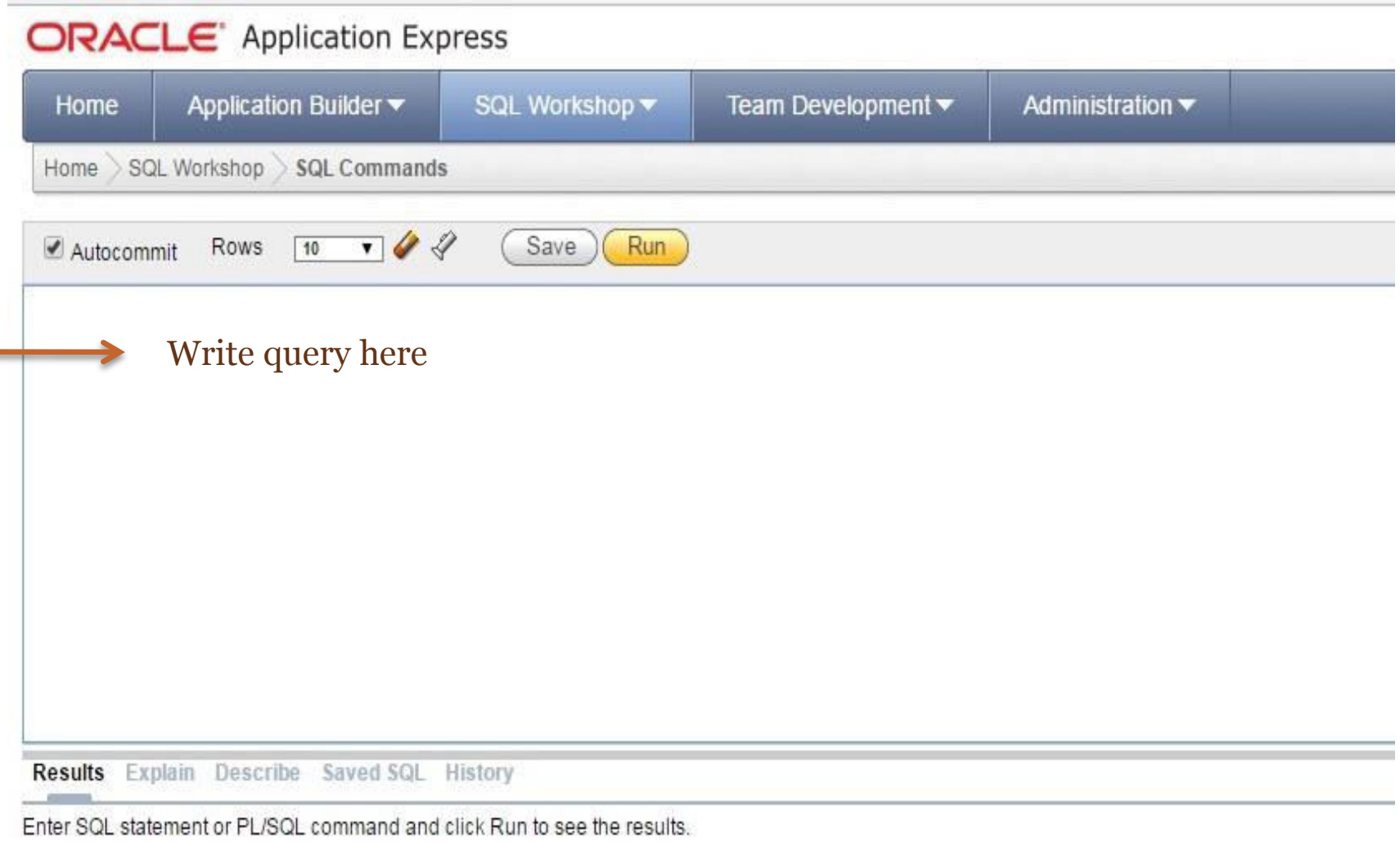

ORACLE Application Express
Enter Application Express workspace and credentials.
Workspace
Username
Password
Login
Click here to learn how to get started
Oracle Application Express is a rapid Web application development tool that lets you share data and create custom applications.
Using only a Web browser and limited programming experience, you can develop and deploy powerful applications that are both fast
Enter User name
Enter Password

User Creation

- create user *user_name* identified by '*password*'
- grant create session, create table, create view to *user_name*
- alter user *user_name* default tablespace users quota 5m on users


ORACLE Application Express
Home
Application Builder
SQL Workshop
Team Development
Administration
Workspace ABC
Learn
Application Builder
SQL Workshop
Team Development
Administration
SQL Workshop
News |
Top Applications
Top Users
Team Development
Show: All
Release: All Releases
Features
Todo's
Milestones
Bugs


ORACLE Application Express
Home
Application Builder
SQL Workshop
Team Development
Administration
Home
SQL Workshop
SQL Commands
Autocommit
Rows
10
Save
Run
Results
Explain
Describe
Saved SQL
History
Enter SQL statement or PL/SQL command and click Run to see the results.


ORACLE Application Express
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SQL Workshop
SQL Commands
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10
Save
Run
Write query here
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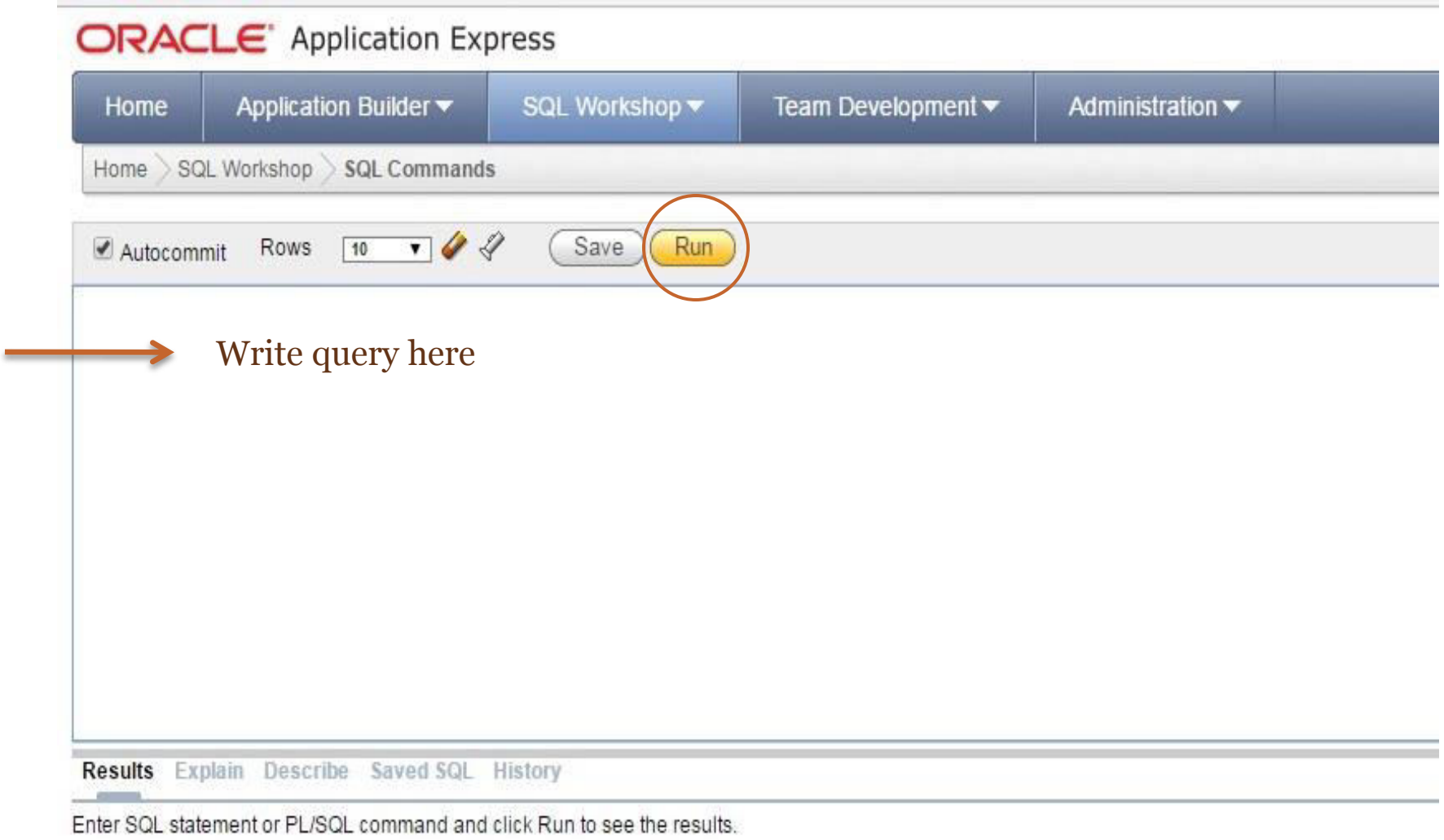
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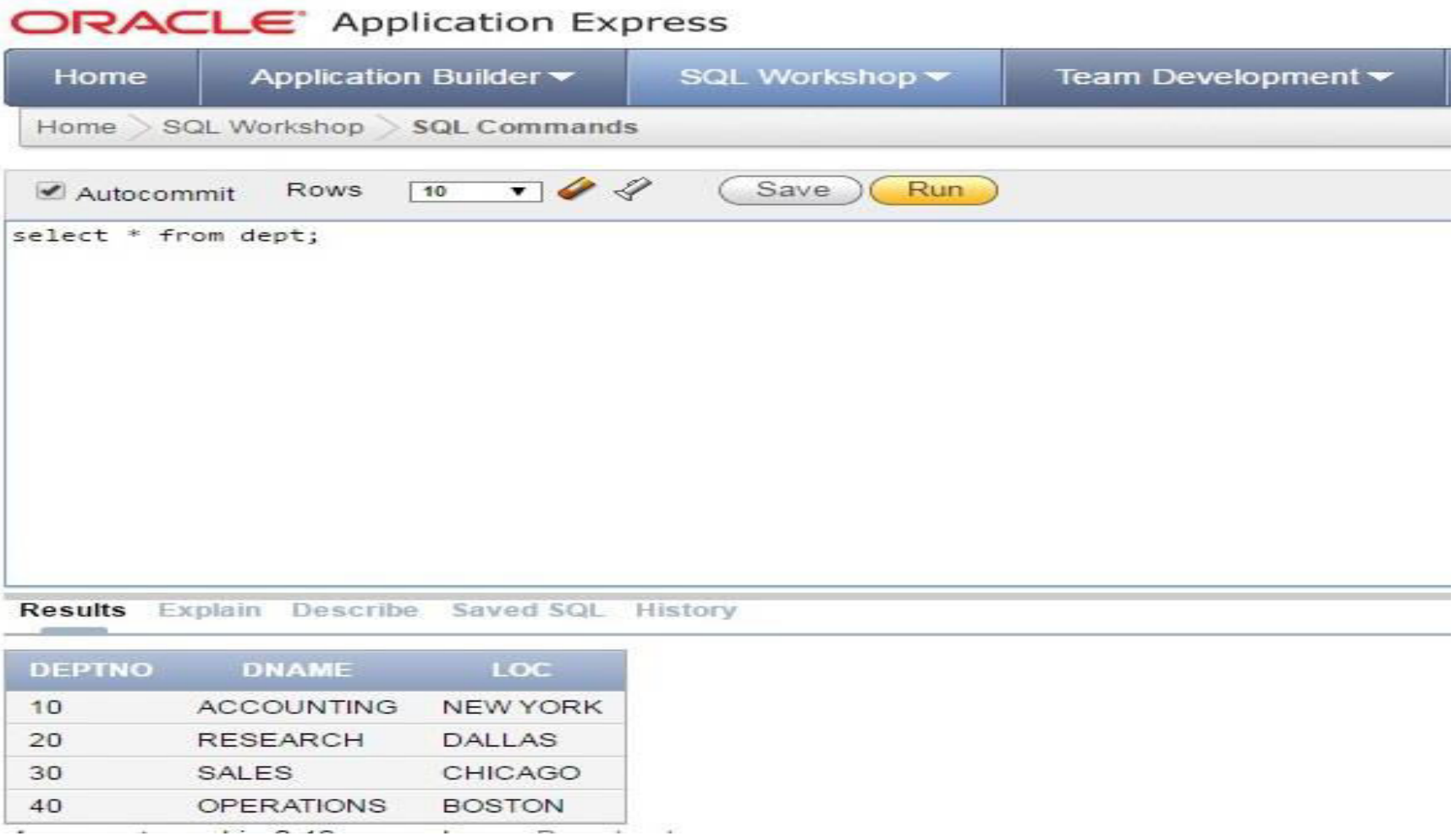
ORACLE Application Express
Home
Application Builder
SQL Workshop
Team Development
Home > SQL Workshop > SQL Commands
Autocommit
Rows
10
Save
Run
select * from dept;
Results
Explain
Describe
Saved SQL
History
DEPTNO DNAME LOC
10 ACCOUNTING NEW YORK
20 RESEARCH DALLAS
30 SALES CHICAGO
40 OPERATIONS BOSTON

Course website

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