

# Database Programming with SQL

## 13-1: Creating Tables

### Practice Activities

#### Objectives

- List and categorize the main database objects
- Review a table structure
- Describe how database schema objects are used by the Oracle database

#### Vocabulary

Identify the vocabulary word for each definition below.

	Created and maintained by the Oracle Server and contains information about the database
	A collection of objects that are the logical structures that directly refer to the data in the database
	Specifies a preset value if a value is omitted in the INSERT statement
	Stores data; basic unit of storage composed of rows and columns
	Command use to make a new table

#### Try It / Solve It

1. Complete the GRADUATE CANDIDATE table instance chart. Credits is a foreign-key column referencing the requirements table.

Column Name	student_id	last_name	first_name	credits	graduation_date
Key Type					
Nulls/Unique					
FK Column					
Datatype	NUMBER	VARCHAR2	VARCHAR2	NUMBER	DATE
Length	6			3	

2. Write the syntax to create the grad\_candidates table.
3. Confirm creation of the table using DESCRIBE.
4. Create a new table using a subquery. Name the new table your last name -- e.g., smith\_table. Using a subquery, copy grad\_candidates into smith\_table.

5. Insert your personal data into the table created in question 4.

6. Query the data dictionary for each of the following:

- USER\_TABLES
- USER\_OBJECTS
- USER\_CATALOG or USER\_CAT

In separate sentences, summarize what each query will return.