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.