Running Head: SQL COMMANDS

SQL Commands: Create, Modify, Update, Select, and Delete - Oracle 11G

Jered McClure

Walden University

SQL Commands: Create, Modify, Update, Select, and Delete - Oracle 11G

* On the Start menu, select Programs> Oracle Database 11G Express Edition> Run SQL Command Line.



* You will see a Login screen and the SQL> prompt.
* Type " connect".
* Enter " System" as the user name when presented with the "Enter user-name" prompt.
* Enter the password that you selected in the setup program when presented with the "Enter password" prompt.



* You should see the SQL> prompt.

TABLE: PRODUCTS

|  |  |
| --- | --- |
| COLUMN NAME | DATATYPE |
| Product\_id | Varchar2(6); values should be like P00001, P00002, and so on. The first character should always be P. |
| Description | Varchar2(20); value should be NOT NULL. |
| Qty\_on\_hand | Number(10); value should be NOT NULL. |
| Reorder\_level | Number(5) |
| Price\_per\_unit | Number(8,2) |



TABLE: CUSTOMERS

|  |  |
| --- | --- |
| COLUMN NAME | DATATYPE |
| Customer\_id | Varchar2(6); the first character should always be C; for example, C00001, C00002, and so on. |
| Customer\_name | Varchar2(20) |
| Address | Varchar2(30) |
| Ph\_no | Number(8) |



* Alter the PRODUCTS table to add a primary key on the Product\_id column.
* Alter the CUSTOMERS table, and add the columns City as "varchar2(20)" and State as "varchar2(20)."



* Alter the CUSTOMERS table to delete the Address column.



* In the CUSTOMERS table, make the columns Ph\_no and Customer\_name NOT NULL.



* Insert the following data into the PRODUCTS table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Product\_id | Description | Qty\_on\_hand | Reorder\_level | Price\_per\_unit |
| P00001 | Pen | 800 | 100 | 0.33 |
| P00002 | Pencil | 700 | 150 | 0.15 |
| P00003 | Notebook | 950 | 70 | 4.25 |



* Modify the value of Qty\_on\_hand of product P00001 to 1000.



* Delete all the rows from the PRODUCTS table.



* Truncate the CUSTOMERS table.



* Delete the PRODUCTS table.



Reference

Coronel, C., Morris, S., & Rob, P. (2012). *Database Systems: Design, Implementation, and Management* (10th ed.). Boston, MA, USA: Cengage Learning.