

Chapter 6: Introduction to SQL

Write SQL commands for the following:

- a. Create two different forms of the INSERT command to add a student with a student ID of 65798 and last name Lopez to the Student table.

```
INSERT INTO Student (StudentID, StudentName) VALUES  
(65798, 'Lopez');
```

Or

```
INSERT INTO Student VALUES (65798, 'Lopez');
```

- b. Now write a command that will remove Lopez from the Student table.

```
DELETE FROM Student WHERE StudentID = 65798;
```

- c. Create an SQL command that will modify the name of course ISM 4212 from Database to Introduction to Relational Databases.

```
UPDATE Course SET CourseName = 'Introduction to Relational  
Databases' WHERE CourseID = 'ISM 4212';
```

Write SQL queries to answer the following questions:

- a. Which students have an ID number that is less than 50000?
SELECT Student.ID, Student.Name FROM Student WHERE
(((Student.ID) < 50000));
- b. What is the name of the faculty member whose ID is 4756?
SELECT Faculty.ID, Faculty.Name FROM Faculty WHERE
(((Faculty.ID)=4756));
- c. What is the smallest section number used in the first semester of 2008?
SELECT Section.[No], Section.Semester FROM [Section] WHERE
(((Section.[No])<=2712));

Write a SQL queries to answer the following questions:

- a. How many students are enrolled in section 2714 in the first semester of 2008?
SELECT Registration.StudentID, Registration.SectionNo FROM
Registration WHERE (((Registration.SectionNo)=2714));
- b. Which faculty members have qualified to teach a course since 1993? List the faculty ID, course, and date of qualification.
SELECT Qualified.[Faculty ID], Qualified.CourseID,
Qualified.DateQualified FROM Qualified WHERE
(((Qualified.DateQualified)>="9/1993"));
- or
- SELECT Faculty.Name, Qualified.[Faculty ID], Qualified.CourseID,
Qualified.DateQualified FROM Faculty, Qualified;