

STUDENT ACTIVITY 3.1B KEY: UTILIZING THE SELECT STATEMENT WITH MULTIPLE TABLES

MTA Course: Database Administration Fundamentals

Topic: Select data

File name: DBAdminFund_SA_3.1b_Key

Lesson Objective:

3.1: Select data

Directions to the student:

Record the information that would result by applying each of the following SELECT statements to the table Student_Info. Write your answers in the grids provided.

Content:

Student Id	Last_Name	First_Name	Birthday	Tuition	Sex	Class_Id_1	Class_Id_2
1243	Holt	Holly	10-5-1990	10000	F	111	222
2435	Houston	Peter	1-25-1991	5000	M	323	476
3756	Raheem	Michael	6-18-1990	4000	M	222	476
4456	Jacobson	Lola	8-7-1997	9000	F	476	323
5865	Higa	Sidney	11-21-2000	12000	F	111	222
6674	Johnson	Brian	4-15-1989	500	M	222	111
7456	Bentley	Sean	2-17-1990	350	M	111	476
8934	Price	Jeff	10-5-1990	2000	M	222	323
5718	Ashton	Chris	1-1-1951	500	M	222	346

Table name: Student_Info

3. SELECT Student_Info.* **FROM** Student_Info, (SELECT Class_Id **FROM** Class_Info **WHERE** Room = "Hall A")
WHERE Student_Info.Class_Id_1 = Class_Info .Class_id

Student Id	Last_Name	First_Name	Birthday	Tuition	Sex	Class_Id_1
1243	Holt	Holly	10-5-1990	10000	F	111
5865	Higa	Sidney	11-21-2000	12000	F	111
7456	Bentley	Sean	2-17-1990	350	M	111

4. SELECT StudentId_Info .First_Name, Student_Info .Last_Name, Class_Info.Subject
FROM Student_Info **INNER JOIN** Class_Info **ON** Student_Info. Class_Id_2 =
Class_Info. Class_ID **ORDER BY** Class_Info. Subject

Student Id	Last_Name	First_Name	Subject			
6674	Johnson	Brian	English			
1243	Holt	Holly	Math			
5865	Higa	Sidney	Math			
4456	Jacobsen	Lola	Science			
8934	Price	Jeff	Science			
2435	Houston	Peter	Social Studies			
3756	Raheem	Michael	Social Studies			
7456	Bentley	Sean	Social Studies			

5. SELECT StudentId_Info .First_Name, Student_Info .Last_Name, Class_Info.Subject
FROM Student_Info
FULL JOIN Student **ON** Class_Info.Class_ID=Student_Info.Class_Id_2
ORDER BY Student_Info .Last_Name

Student Id	Last_Name	First_Name	Subject			
5718	Ashton	Chris				
2435	Houston	Peter	Social Studies			
4456	Jacobsen	Lola	Science			
3756	Raheem	Michael	Social Studies			
6674	Johnson	Brian	English			
1243	Holt	Holly	Math			
5865	Higa	Sidney	Math			
7456	Bentley	Sean	Social Studies			
8934	Price	Jeff	Science			

**6. SELECT * FROM Student_Info WHERE Tuition BETWEEN 100 AND 500
INTERSECT SELECT * FROM Student_Info WHERE Tuition BETWEEN 200
AND 9000**

Student Id	Last_Name	First_Name	Birthday	Tuition	Sex	Class_Id_1	Class_Id_2
6674	Johnson	Brian	4-15-1189	500	M	222	111
7456	Bentley	Sean	2-17-1990	350	M	111	476
5718	Ashton	Chris	1-1-1991	500	M	222	346