Oakland University
Decision and Information Sciences

MIS 3000H – Management Information System **Fall 2020**

Take-Home Exercise #2

PROBLEM. Download the Access database named TutorialB.accdb from Moodle. Rename the file to TutorialB-YourLastName.accdb. Follow Monk's Tutorial B (pages 17-33) and the instructions below. In exams, you need to upload your completed file to the Drop Box on Moodle for grading.

The database has the following 3 tables and data:

Employee								
Last Name	**First Name**	**Employee ID**	**Street Address**	**City**	**State**	**Zip**	**Date Hired**	**US Citizen**
Add	Your	09911	Here	Elkton	MD	21921		Yes
Howard	Jane	11411	28 Sally Dr	Glasgow	DE	19702	8/1/2012	Yes
Smith	John	12345	30 Elm St	Newark	DE	19711	6/1/1996	Yes
Smith	Albert	14890	44 Duce St	Odessa	DE	19722	7/15/1987	Yes
Jones	Sue	22282	18 Spruce St	Newark	DE	19716	7/15/2004	No
Ruth	Billy	71460	1 Tater Dr	Baltimore	MD	20111	8/15/1999	No

Wage Data		
Employee ID	**Wage Rate**	**Salaried**
09911	$8.00	No
11411	$10.00	No
12345		Yes
14890	$12.00	No
22282		Yes
71460		Yes

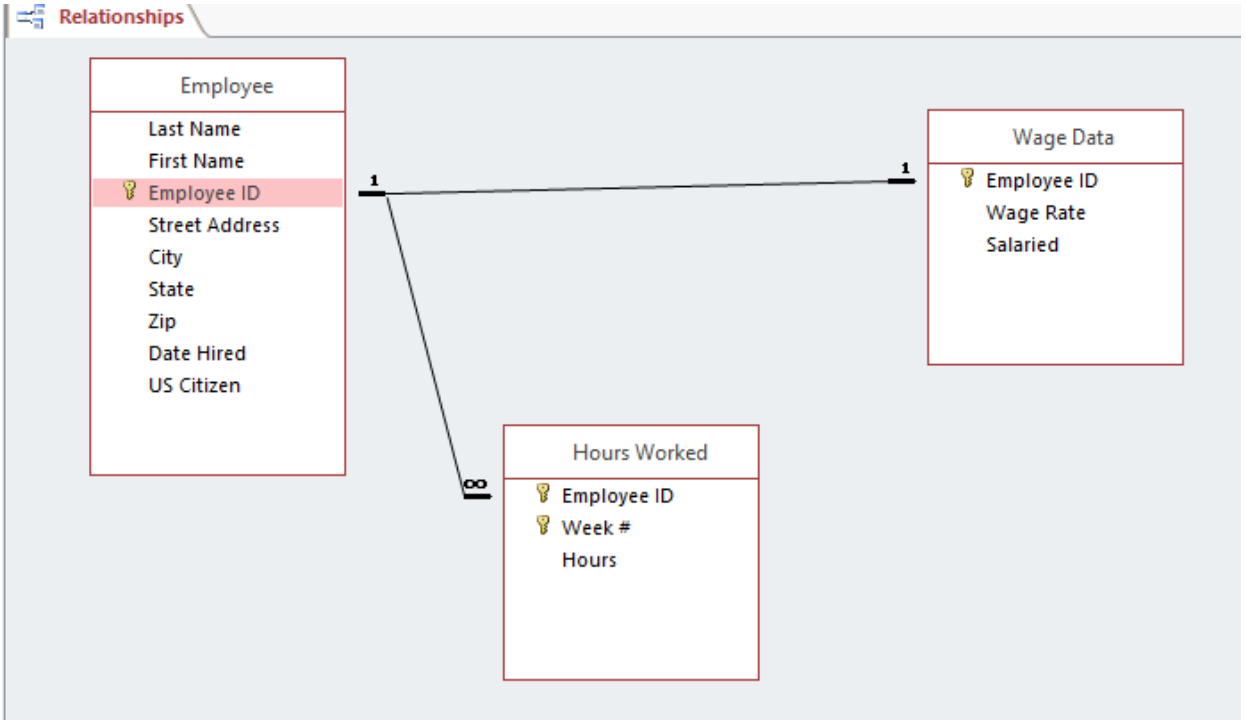
Hours Worked		
Employee ID	**Week #**	**Hours**
09911	1	60
09911	2	55
11411	1	40
11411	2	50
12345	1	40
12345	2	40
14890	1	38
14890	2	40
22282	1	40
22282	2	40
71460	1	40
71460	2	40

Requirement #1. Edit employee 09911 so that it has **your first name and last name**. Use the day you are working on this assignment as your Date Hired.

Employee

Last Name	First Name	Employee ID	Street Address	City	State	Zip	Date Hired	US Citizen
Dadashzadeh	Mohammad	09911	Here	Elkton	MD	21921	1/9/2014	☑
Howard	Jane	11411	28 Sally Dr	Glasgow	DE	19702	8/1/2012	☑
Smith	John	12345	30 Elm St	Newark	DE	19711	6/1/1996	☑
Smith	Albert	14890	44 Duce St	Odessa	DE	19722	7/15/1987	☑
Jones	Sue	22282	18 Spruce St	Newark	DE	19716	7/15/2004	☐
Ruth	Billy	71460	1 Tater Dr	Baltimore	MD	20111	8/15/1999	☐
*								☐

Requirement #2. Define the Relationships between the tables in the database:

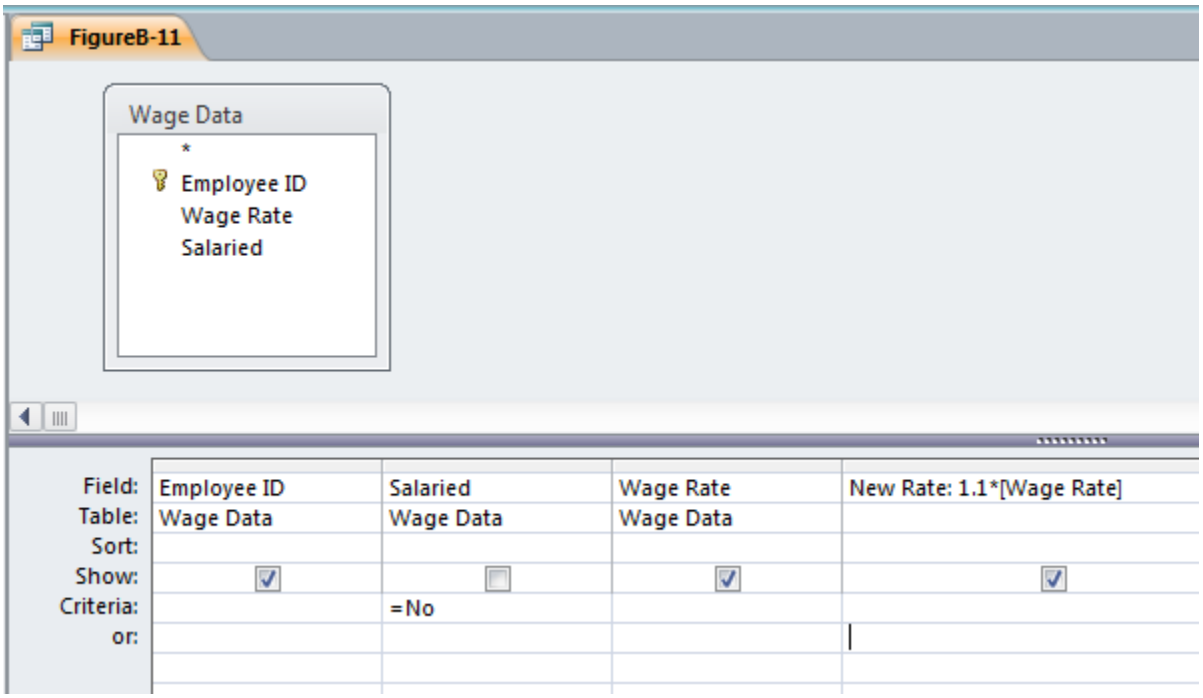


Requirement #3. Design and save query corresponding to Figure B-11. Name the saved query as FigureB-11

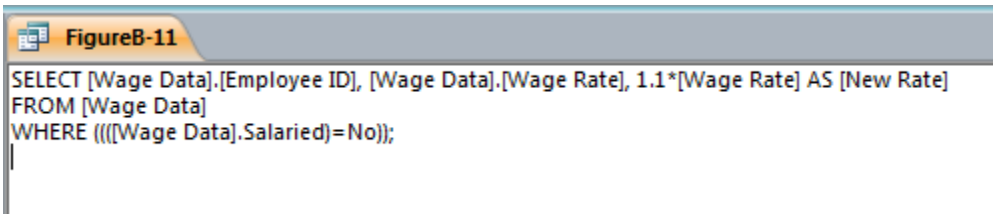
Your output (when I run your query to grade) should be:

FigureB-11		
Employee ID	**Wage Rate**	**New Rate**
11411	$10.00	11
14890	$12.00	13.2
09911	$8.00	8.8

Your query in Query By Example (QBE) designer would be:



And, if you View the SQL (Structured Query Language) translation provided by Access, you'll see:



Here is a more readable version of the SQL above:

SELECT [Employee ID], [Wage Rate], 1.1*[Wage Rate] AS [New Rate]

FROM [Wage Data]

WHERE Salaried = No

Notice that because our table names and column names have spaces as a part of their name, we need to enclose the names in [ ].

Requirement #4. Design and save the query corresponding to Figure B-16. Name the saved query as FigureB-16

Your output (when I run your query to grade) should be:

FigureB-16		
Employee ID	**Wage Rate**	**New Rate**
11411	$10.00	$11.00
14890	$12.00	$13.20
09911	$8.00	$8.80

Requirement #5. Design and save the query corresponding to Figure B-18. Name the saved query as FigureB-18

Your output (when I run your query to grade) should be:

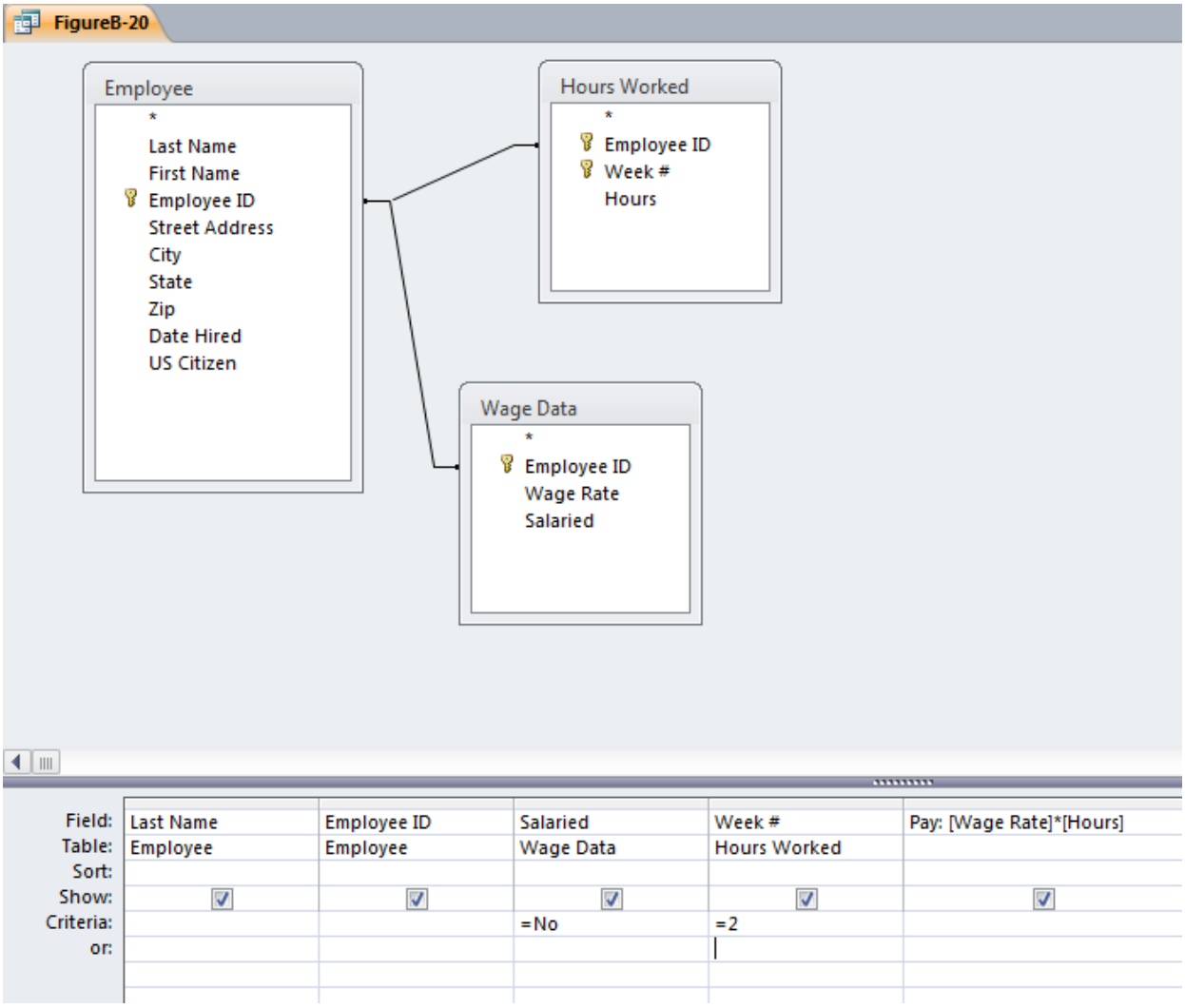
FigureB-18				
Last Name	**Employee ID**	**US Citizen**	**Wage Rate**	**Salaried**
Howard	11411	Yes	$10.00	No
Smith	14890	Yes	$12.00	No
Dadashzadeh	09911	Yes	$8.00	No

Requirement #6. Design and save the query corresponding to Figure B-20. Name the saved query as FigureB-20

Your output (when I run your query to grade) should be:

FigureB-20				
Last Name	**Employee ID**	**Salaried**	**Week #**	**Pay**
Howard	11411	No	2	$500.00
Smith	14890	No	2	$480.00
Dadashzadeh	09911	No	2	$440.00

Here is the query in QBE design view:



Requirement #7. Design and save the query corresponding to Figure B-26. Name the saved query as FigureB-26. Make sure to rename the output column to read Count of Employees.

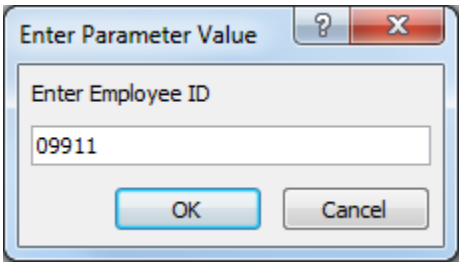
FigureB-26
Count of Employees
6

Requirement #8. Design and save the query corresponding to Figure B-35. Name the saved query as FigureB-35

Your output (when I run your query to grade) should be ***similar*** **to**:

FigureB-35		
Last Name	Employee ID	Bonus
Dadashzadeh	09911	$0.00
Howard	11411	$526.00
Smith	12345	$6,431.00
Smith	14890	$9,675.00
Jones	22282	$3,465.00
Ruth	71460	$5,261.00

Requirement #9. Design and save the query corresponding to Figure B-48. Name the saved query as FigureB-48. Note the prompt dialog box that should appear to enter desired employee id.



FigureB-48				
Employee ID	Last Name	First Name	Week #	Hours
09911	Dadashzadeh	Mohammad	1	60
09911	Dadashzadeh	Mohammad	2	55

That's It!