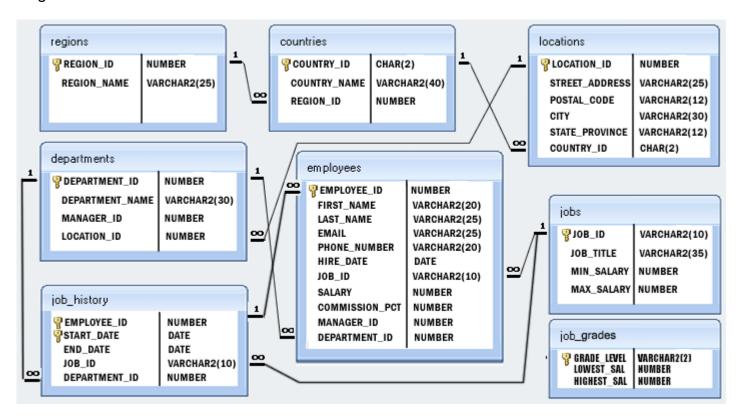
UPDATE Statement Examples



The Human Resources (HR) Database

This sample database consists of 8 tables, as depicted in the following Entity-Relationship (ER) Diagram.



Run the SQL Scripts

Before we proceed any further, please go ahead and import the SQL Script (click here (https://bryanuniversity.instructure.com/courses/10152/files/744673/download?wrap=1) (https://bryanuniversity.instructure.com/courses/10152/files/744673/download?wrap=1) to download the script file) into MySQL Work Bench and/or PostgreSQL applications.



Update Statements

```
mysql> SELECT * FROM employees LIMIT 2;

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSI

| 100 | Steven | King | not available | 515.123.4567 | 1987-06-17 | AD_PRES | 24000.00 |

| 101 | Neena | Kochhar | not available | 515.123.4568 | 1987-06-18 | AD_VP | 17000.00 |

2 rows in set (0.00 sec)
```

 Write a SQL statement to change the email and commission_pct column of employees table with 'not available' and 0.10 for those employees whose department id is 110.

```
UPDATE employees
    SET email='not available',
    commission_pct=0.10
WHERE department_id=110;
```

Sample Output:

```
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISS
| 205 | Shelley | Higgins | not available | 515.123.8080 | 1987-09-30 | AC_MGR | 12000.00 |
| 206 | William | Gietz | not available | 515.123.8181 | 1987-10-01 | AC_ACCOUNT | 8300.00 |
| 2 rows in set (0.00 sec)
```

 Write a SQL statement to change the email column of employees table with 'not available' for those employees whose department_id is 80 and gets a commission is less than .20%.

```
UPDATE employees
SET email='not available'
WHERE department_id=80 AND commission_pct<.20;</pre>
```

Sample Output:

 Write a SQL statement to change the email column of employees table with 'not available' for those employees who belongs to the 'Accounting' department.

```
UPDATE employees

SET email='not available'

WHERE department_id=(

SELECT department_id
```

```
FROM departments
WHERE department_name='Accounting');
```

Sample Output:

 Write a SQL statement to change salary of employee to 8000 whose ID is 105, if the existing salary is less than 5000.

```
UPDATE employees SET SALARY = 8000 WHERE employee_id = 105 AND salary < 5000;</pre>
```

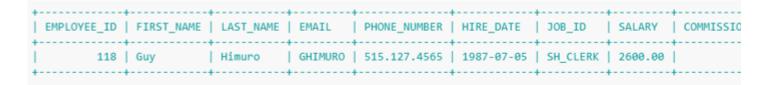
Sample Output:

EMPLOYEE_ID FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSIO
	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	8000.00	

Write a SQL statement to change job ID of employee which ID is 118, to SH_CLERK if the
employee belongs to department, which ID is 30 and the existing job ID does not start with SH.

```
UPDATE employees SET JOB_ID= 'SH_CLERK'
WHERE employee_id=118
AND department_id=30
AND NOT JOB_ID LIKE 'SH%';
```

Sample Output:



Write a SQL statement to increase the salary of employees under the department 40, 90 and 110
according to the company rules that, salary will be increased by 25% for the department 40, 15%
for department 90 and 10% for the department 110 and the rest of the departments will remain
same.

```
UPDATE employees

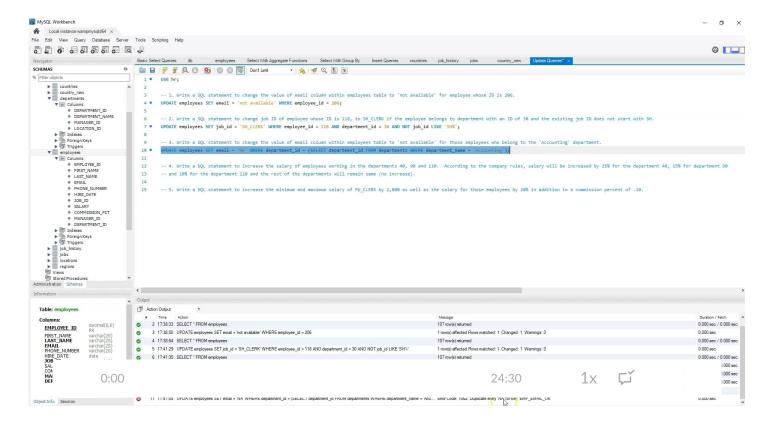
SET salary = CASE department_id

WHEN 40 THEN salary+(salary*.25)

WHEN 90 THEN salary+(salary*.15)

WHEN 110 THEN salary+(salary*.10)

ELSE salary
```



 Write a SQL statement to change the email column of employees table with 'not available' for all employees.

```
UPDATE employees SET email='not available';
```

Sample Output:

```
mysql> SELECT * FROM employees LIMIT 2;

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISS

| 100 | Steven | King | not available | 515.123.4567 | 1987-06-17 | AD_PRES | 24000.00 |

| 101 | Neena | Kochhar | not available | 515.123.4568 | 1987-06-18 | AD_VP | 17000.00 |

2 rows in set (0.00 sec)
```

 Write a SQL statement to change the email and commission_pct column of employees table with 'not available' and 0.10 for all employees.

```
UPDATE employees SET email='not available', commission_pct=0.10;
```

Sample Output:

```
END
WHERE department_id IN (40,50,50,60,70,80,90,110);
```

Sample Output:

EMPL	OYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISS
	100	Steven	King	SKING	515.123.4567	1987-06-17		24000.00	
	101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	
	102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	
	203	Susan	Mavris	SMAVRIS	515.123.7777	1987-09-28	HR_REP	6500.00	
	205	Shelley	Higgins	SHIGGINS	515.123.8080	1987-09-30	AC_MGR	12000.00	
	206	William	Gietz	WGIETZ	515.123.8181	1987-10-01	AC_ACCOUNT	8300.00	

 Write a SQL statement to increase the minimum and maximum salary of PU_CLERK by 2000 as well as the salary for those employees by 20% and commission percent by .10.

Results before update:

```
table - jobs

| JOB_ID | JOB_TITLE | MIN_SALARY | MAX_SALARY |

| PU_CLERK | Purchasing Clerk | 2500 | 5500 |

table - employees

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION |

| 115 | Alexander | Khoo | AKHOO | 515.127.4562 | 1987-07-02 | PU_CLERK | 3100.00 |

| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU_CLERK | 2900.00 |

| 117 | Sigal | Tobias | STOBIAS | 515.127.4564 | 1987-07-04 | PU_CLERK | 2800.00 |

| 118 | Guy | Himuro | GHIMURO | 515.127.4566 | 1987-07-06 | PU_CLERK | 2500.00 |
```

Results before update: