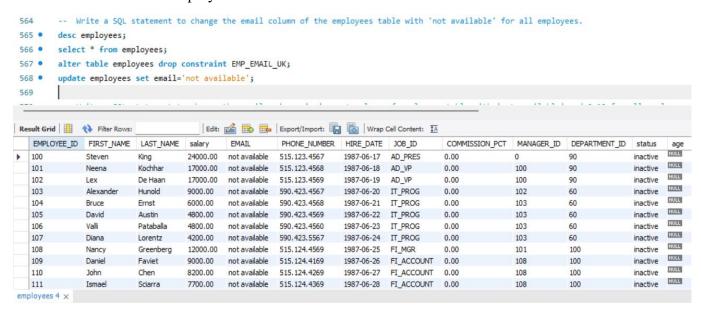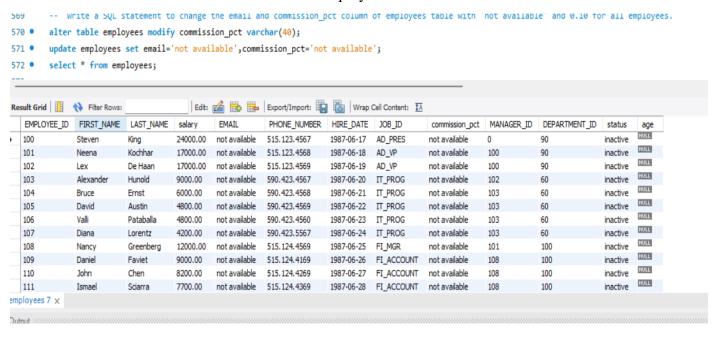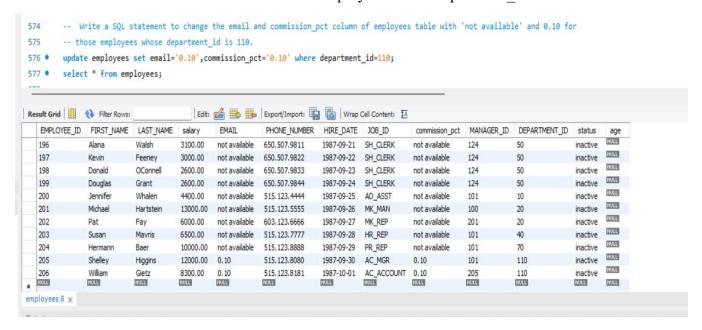1. Write a SQL statement to change the email column of the employees table with 'not available' for all employees.
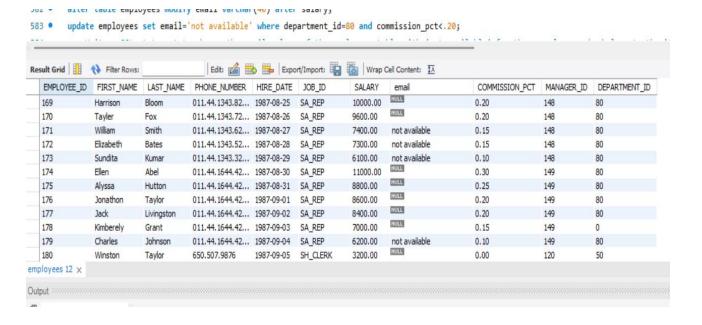
```
564    --  Write a SQL statement to change the email column of the employees table with 'not available' for all employees.
565 •  desc employees;
566 •  select * from employees;
567 •  alter table employees drop constraint EMP_EMAIL_UK;
568 •  update employees set email='not available';
569    |
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	salary	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID	status	age
100	Steven	King	24000.00	not available	515.123.4567	1987-06-17	AD_PRES	0.00	0	90	inactive	NULL
101	Neena	Kochhar	17000.00	not available	515.123.4568	1987-06-18	AD_VP	0.00	100	90	inactive	NULL
102	Lex	De Haan	17000.00	not available	515.123.4569	1987-06-19	AD_VP	0.00	100	90	inactive	NULL
103	Alexander	Hunold	9000.00	not available	590.423.4567	1987-06-20	IT_PROG	0.00	102	60	inactive	NULL
104	Bruce	Ernst	6000.00	not available	590.423.4568	1987-06-21	IT_PROG	0.00	103	60	inactive	NULL
105	David	Austin	4800.00	not available	590.423.4569	1987-06-22	IT_PROG	0.00	103	60	inactive	NULL
106	Valli	Pataballa	4800.00	not available	590.423.4560	1987-06-23	IT_PROG	0.00	103	60	inactive	NULL
107	Diana	Lorentz	4200.00	not available	590.423.5567	1987-06-24	IT_PROG	0.00	103	60	inactive	NULL
108	Nancy	Greenberg	12000.00	not available	515.124.4569	1987-06-25	FI_MGR	0.00	101	100	inactive	NULL
109	Daniel	Faviet	9000.00	not available	515.124.4169	1987-06-26	FI_ACCOUNT	0.00	108	100	inactive	NULL
110	John	Chen	8200.00	not available	515.124.4269	1987-06-27	FI_ACCOUNT	0.00	108	100	inactive	NULL
111	Ismael	Sciarra	7700.00	not available	515.124.4369	1987-06-28	FI_ACCOUNT	0.00	108	100	inactive	NULL

employees 4 ×

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

```
569    --  Write a SQL statement to change the email and commission_pct column of employees table with 'not available' and 0.10 for all employees.
570 •  alter table employees modify commission_pct varchar(40);
571 •  update employees set email='not available',commission_pct='not available';
572 •  select * from employees;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	salary	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	commission_pct	MANAGER_ID	DEPARTMENT_ID	status	age
100	Steven	King	24000.00	not available	515.123.4567	1987-06-17	AD_PRES	not available	0	90	inactive	NULL
101	Neena	Kochhar	17000.00	not available	515.123.4568	1987-06-18	AD_VP	not available	100	90	inactive	NULL
102	Lex	De Haan	17000.00	not available	515.123.4569	1987-06-19	AD_VP	not available	100	90	inactive	NULL
103	Alexander	Hunold	9000.00	not available	590.423.4567	1987-06-20	IT_PROG	not available	102	60	inactive	NULL
104	Bruce	Ernst	6000.00	not available	590.423.4568	1987-06-21	IT_PROG	not available	103	60	inactive	NULL
105	David	Austin	4800.00	not available	590.423.4569	1987-06-22	IT_PROG	not available	103	60	inactive	NULL
106	Valli	Pataballa	4800.00	not available	590.423.4560	1987-06-23	IT_PROG	not available	103	60	inactive	NULL
107	Diana	Lorentz	4200.00	not available	590.423.5567	1987-06-24	IT_PROG	not available	103	60	inactive	NULL
108	Nancy	Greenberg	12000.00	not available	515.124.4569	1987-06-25	FI_MGR	not available	101	100	inactive	NULL
109	Daniel	Faviet	9000.00	not available	515.124.4169	1987-06-26	FI_ACCOUNT	not available	108	100	inactive	NULL
110	John	Chen	8200.00	not available	515.124.4269	1987-06-27	FI_ACCOUNT	not available	108	100	inactive	NULL
111	Ismael	Sciarra	7700.00	not available	515.124.4369	1987-06-28	FI_ACCOUNT	not available	108	100	inactive	NULL

employees 7 ×

Output

3. 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.
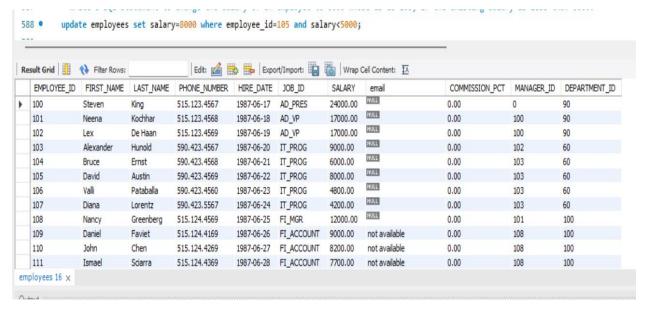
```
574   -- Write a SQL statement to change the email and commission_pct column of employees table with 'not available' and 0.10 for
575   -- those employees whose department_id is 110.
576 • update employees set email='0.10',commission_pct='0.10' where department_id=110;
577 • select * from employees;
---
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	salary	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	commission_pct	MANAGER_ID	DEPARTMENT_ID	status	age
196	Alana	Walsh	3100.00	not available	650.507.9811	1987-09-21	SH_CLERK	not available	124	50	inactive	NULL
197	Kevin	Feeney	3000.00	not available	650.507.9822	1987-09-22	SH_CLERK	not available	124	50	inactive	NULL
198	Donald	OConnell	2600.00	not available	650.507.9833	1987-09-23	SH_CLERK	not available	124	50	inactive	NULL
199	Douglas	Grant	2600.00	not available	650.507.9844	1987-09-24	SH_CLERK	not available	124	50	inactive	NULL
200	Jennifer	Whalen	4400.00	not available	515.123.4444	1987-09-25	AD_ASST	not available	101	10	inactive	NULL
201	Michael	Hartstein	13000.00	not available	515.123.5555	1987-09-26	MK_MAN	not available	100	20	inactive	NULL
202	Pat	Fay	6000.00	not available	603.123.6666	1987-09-27	MK_REP	not available	201	20	inactive	NULL
203	Susan	Mavris	6500.00	not available	515.123.7777	1987-09-28	HR_REP	not available	101	40	inactive	NULL
204	Hermann	Baer	10000.00	not available	515.123.8888	1987-09-29	PR_REP	not available	101	70	inactive	NULL
205	Shelley	Higgins	12000.00	0.10	515.123.8080	1987-09-30	AC_MGR	0.10	101	110	inactive	NULL
206	William	Gietz	8300.00	0.10	515.123.8181	1987-10-01	AC_ACCOUNT	0.10	205	110	inactive	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

employees 8 ✕

4. 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_pct is less than .20

```
582 •   alter table employees modify email varchar(40) after salary;
583 •   update employees set email='not available' where department_id=80 and commission_pct<.20;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	email	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
169	Harrison	Bloom	011.44.1343.82...	1987-08-25	SA_REP	10000.00	NULL	0.20	148	80
170	Tayler	Fox	011.44.1343.72...	1987-08-26	SA_REP	9600.00	NULL	0.20	148	80
171	William	Smith	011.44.1343.62...	1987-08-27	SA_REP	7400.00	not available	0.15	148	80
172	Elizabeth	Bates	011.44.1343.52...	1987-08-28	SA_REP	7300.00	not available	0.15	148	80
173	Sundita	Kumar	011.44.1343.32...	1987-08-29	SA_REP	6100.00	not available	0.10	148	80
174	Ellen	Abel	011.44.1644.42...	1987-08-30	SA_REP	11000.00	NULL	0.30	149	80
175	Alyssa	Hutton	011.44.1644.42...	1987-08-31	SA_REP	8800.00	NULL	0.25	149	80
176	Jonathon	Taylor	011.44.1644.42...	1987-09-01	SA_REP	8600.00	NULL	0.20	149	80
177	Jack	Livingston	011.44.1644.42...	1987-09-02	SA_REP	8400.00	NULL	0.20	149	80
178	Kimberely	Grant	011.44.1644.42...	1987-09-03	SA_REP	7000.00	NULL	0.15	149	0
179	Charles	Johnson	011.44.1644.42...	1987-09-04	SA_REP	6200.00	not available	0.10	149	80
180	Winston	Taylor	650.507.9876	1987-09-05	SH_CLERK	3200.00	NULL	0.00	120	50

employees 12 ✕

Output

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

```
584    -- Write a SQL statement to change the email column of the employees table with 'not available' for those employees who belong to the 'A
585  ●  update employees set email='not available' where job_id='fi_account';
586
587
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	email	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
104	Bruce	Ernst	590.423.4568	1987-06-21	IT_PROG	6000.00	NULL	0.00	103	60
105	David	Austin	590.423.4569	1987-06-22	IT_PROG	4800.00	NULL	0.00	103	60
106	Valli	Pataballa	590.423.4560	1987-06-23	IT_PROG	4800.00	NULL	0.00	103	60
107	Diana	Lorentz	590.423.5567	1987-06-24	IT_PROG	4200.00	NULL	0.00	103	60
108	Nancy	Greenberg	515.124.4569	1987-06-25	FI_MGR	12000.00	NULL	0.00	101	100
109	Daniel	Faviet	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	not available	0.00	108	100
110	John	Chen	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	not available	0.00	108	100
111	Ismael	Sciarra	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	not available	0.00	108	100
112	Jose Manuel	Urman	515.124.4469	1987-06-29	FI_ACCOUNT	7800.00	not available	0.00	108	100
113	Luis	Popp	515.124.4567	1987-06-30	FI_ACCOUNT	6900.00	not available	0.00	108	100
114	Den	Raphaely	515.127.4561	1987-07-01	PU_MAN	11000.00	NULL	0.00	100	30
115	Alexander	Khoo	515.127.4562	1987-07-02	PU_CLERK	3100.00	NULL	0.00	114	30

employees 15 ×

Output

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

```
588  ●  update employees set salary=8000 where employee_id=105 and salary<5000;
---
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	email	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	515.123.4567	1987-06-17	AD_PRES	24000.00	NULL	0.00	0	90
101	Neena	Kochhar	515.123.4568	1987-06-18	AD_VP	17000.00	NULL	0.00	100	90
102	Lex	De Haan	515.123.4569	1987-06-19	AD_VP	17000.00	NULL	0.00	100	90
103	Alexander	Hunold	590.423.4567	1987-06-20	IT_PROG	9000.00	NULL	0.00	102	60
104	Bruce	Ernst	590.423.4568	1987-06-21	IT_PROG	6000.00	NULL	0.00	103	60
105	David	Austin	590.423.4569	1987-06-22	IT_PROG	8000.00	NULL	0.00	103	60
106	Valli	Pataballa	590.423.4560	1987-06-23	IT_PROG	4800.00	NULL	0.00	103	60
107	Diana	Lorentz	590.423.5567	1987-06-24	IT_PROG	4200.00	NULL	0.00	103	60
108	Nancy	Greenberg	515.124.4569	1987-06-25	FI_MGR	12000.00	NULL	0.00	101	100
109	Daniel	Faviet	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	not available	0.00	108	100
110	John	Chen	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	not available	0.00	108	100
111	Ismael	Sciarra	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	not available	0.00	108	100

employees 16 ×

Output

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

```
588    -- whose ID is 30 and the existing job ID does not start with SH.
589 •  update employees set job_ID='SH_CLERK' where employee_id=118 and department_id=30 and job_ID='%SH%';
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	email	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
187	Anthony	Cabrio	650.509.4876	1987-09-12	SH_CLERK	3000.00	NULL	0.00	121	50
188	Kelly	Chung	650.505.1876	1987-09-13	SH_CLERK	3800.00	NULL	0.00	122	50
189	Jennifer	Dilly	650.505.2876	1987-09-14	SH_CLERK	3600.00	NULL	0.00	122	50
190	Timothy	Gates	650.505.3876	1987-09-15	SH_CLERK	2900.00	NULL	0.00	122	50
191	Randall	Perkins	650.505.4876	1987-09-16	SH_CLERK	2500.00	NULL	0.00	122	50
192	Sarah	Bell	650.501.1876	1987-09-17	SH_CLERK	4000.00	NULL	0.00	123	50
193	Britney	Everett	650.501.2876	1987-09-18	SH_CLERK	3900.00	NULL	0.00	123	50
194	Samuel	McCain	650.501.3876	1987-09-19	SH_CLERK	3200.00	NULL	0.00	123	50
195	Vance	Jones	650.501.4876	1987-09-20	SH_CLERK	2800.00	NULL	0.00	123	50
196	Alana	Walsh	650.507.9811	1987-09-21	SH_CLERK	3100.00	NULL	0.00	124	50
197	Kevin	Feeney	650.507.9822	1987-09-22	SH_CLERK	3000.00	NULL	0.00	124	50
198	Donald	OConnell	650.507.9833	1987-09-23	SH_CLERK	2600.00	NULL	0.00	124	50

employees 18 ×

8. 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 department 40, 15% for department 90 and 10% for department 110 and the rest of the departments will remain the same.

```
594 •  desc employees;
595 •  update employees set salary=salary+(salary*25/100) where department_id=40;
596 •  update employees set salary=salary+(salary*15/100) where department_id=90;
597 •  update employees set salary=salary+(salary*10/100) where department_id=110;
598 •  select * from employees where department_id in(40,90,110);
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: IA

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	salary	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	commission_pct	MANAGER_ID	DEPARTMENT_ID	status	age
203	Susan	Mavris	8125.00	not available	515.123.7777	1987-09-28	HR_REP	not available	101	40	inactive	NULL
100	Steven	King	27600.00	not available	515.123.4567	1987-06-17	AD_PRES	not available	0	90	inactive	NULL
101	Neena	Kochhar	19550.00	not available	515.123.4568	1987-06-18	AD_VP	not available	100	90	inactive	NULL
102	Lex	De Haan	19550.00	not available	515.123.4569	1987-06-19	AD_VP	not available	100	90	inactive	NULL
205	Shelley	Higgins	13200.00	0.10	515.123.8080	1987-09-30	AC_MGR	0.10	101	110	inactive	NULL
206	William	Gietz	9130.00	0.10	515.123.8181	1987-10-01	AC_ACCOUNT	0.10	205	110	inactive	NULL
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

9. 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.

```
611 •   update employees set commission_pct=null where commission_pct not regexp '^[0-9]+(\.[0-9]+)?$';
612 •   alter table employees modify commission_pct float default null;
613 •   update employees set salary=salary+(salary*20/100),commission_pct=cast(commission_pct as float)+0.10
614     where job_id='PU_CLERK' and commission_pct regexp '^[0-9]+(\.[0-9]+)?$';
615 •   desc employees;
616 •   select * from employees;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	salary	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	commission_pct	MANAGER_ID	DEPARTMENT_ID	status	age
115	Alexander	Khoo	3100.00	not available	515.127.4562	1987-07-02	PU_CLERK	NULL	114	30	inactive	NULL
116	Shelli	Baida	2900.00	not available	515.127.4563	1987-07-03	PU_CLERK	NULL	114	30	inactive	NULL
117	Sigal	Tobias	2800.00	not available	515.127.4564	1987-07-04	PU_CLERK	NULL	114	30	inactive	NULL
118	Guy	Himuro	2600.00	not available	515.127.4565	1987-07-05	PU_CLERK	NULL	114	30	inactive	NULL
119	Karen	Colmenares	2500.00	not available	515.127.4566	1987-07-06	PU_CLERK	NULL	114	30	inactive	NULL