



Java Enterprise Edition

ANUDIP FOUNDATION



MySQL Update Table

Time: 180 Min

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

Here is the sample table employees.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG	4800.00	0.00	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.00	108	100
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.00	108	100
112	Jose Manuel	Urman	JMURMAN	515.124.4469	1987-06-29	FI_ACCOUNT	7800.00	0.00	108	100
113	Luis	Popp	LPOPP	515.124.4567	1987-06-30	FI_ACCOUNT	6900.00	0.00	108	100
114	Den	Raphaely	DRAPHEAL	515.127.4561	1987-07-01	PU_MAN	11000.00	0.00	100	30
115	Alexander	Khoo	AKHOO	515.127.4562	1987-07-02	PU_CLERK	3100.00	0.00	114	30
116	Shelli	Baida	SBAIDA	515.127.4563	1987-07-03	PU_CLERK	2900.00	0.00	114	30
117	Sigal	Tobias	STOBIAS	515.127.4564	1987-07-04	PU_CLERK	2800.00	0.00	114	30
118	Guy	Himuro	GHIMURO	515.127.4565	1987-07-05	PU_CLERK	2600.00	0.00	114	30

119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK
2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN
8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
124 Kevin Mourgog KMOURGOS 650.123.5234 1987-07-11 ST_MAN
5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK
2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK
2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00
0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK
3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK
2500.00 0.00 123 50
141 Tenna Rajs TRAJRS 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50

142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK
2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambraut GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP
8000.00 0.20 145 80
154 Nanette Cambraut NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP
7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP
7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP
9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP
9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP
8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP
7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP
7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP
9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP
7200.00 0.10 147 80

165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP
6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP
6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP
6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP
8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP
8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP
7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK
3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK
3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50

188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK 3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

UPDATE employees SET email='not available';

Let execute the above code in MySQL 5.6 command prompt

See the result. Only two rows have been displayed.

```
mysql> SELECT * FROM employees LIMIT 2;
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+-----+-----+-----+-----+-----+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL      | PHONE_NUMBER | HIRE_DATE | JOB_ID |
| SALARY      | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+
|      100 | Steven    | King      | not available | 515.123.4567 | 1987-06-17 | AD_PRES | 24000.00 |
0.00 |      0 |      90 |
|      101 | Neena     | Kochhar   | not available | 515.123.4568 | 1987-06-18 | AD_VP   | 17000.00 |
0.00 |     100 |      90 |
+-----+-----+-----+-----+-----+-----+-----+

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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.

Here is the sample table employees.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG	4800.00	0.00	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.00	108	100
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.00	108	100
112	Jose Manuel	Urman	JMURMAN	515.124.4469	1987-06-29	FI_ACCOUNT	7800.00	0.00	108	100

113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT
6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN
11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK
3100.00 0.00 114 30
116 Shelli Baida SBAIDA 515.127.4563 1987-07-03 PU_CLERK
2900.00 0.00 114 30
117 Sigal Tobias STOBIAS 515.127.4564 1987-07-04 PU_CLERK
2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK
2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK
2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN
8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
124 Kevin Mourgoss KMOURGOS 650.123.5234 1987-07-11 ST_MAN
5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK
2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK
2900.00 0.00 122 50
135 Ki Gee KGEES 650.127.1734 1987-07-22 ST_CLERK 2400.00
0.00 122 50

136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK
3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK
2500.00 0.00 123 50
141 Tenna Rajs TRAJs 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK
2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP
8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP
7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP
7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP
9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP
9000.00 0.35 146 80

159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP
8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP
7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP
7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP
9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP
7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80
166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP
6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP
6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP
6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP
8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP
8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP
7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK
3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK
3100.00 0.00 120 50

182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK
2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK
2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST
4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN
13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00
0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP
6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP
10000.00 0.00 101 70

205	Shelley	Higgins	SHIGGINS	515.123.8080	1987-09-30	AC_MGR	
12000.00	0.00	101	110				
206	William	Gietz	WGIETZ	515.123.8181	1987-10-01	AC_ACCOUNT	
8300.00	0.00	205	110				

UPDATE employees SET email='not available',

commission_pct=0.10;

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result. Only two rows have been displayed.

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

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	not available	515.123.4567	1987-06-17	AD_PRES	24000.00	0.10	0	90
101	Neena	Kochhar	not available	515.123.4568	1987-06-18	AD_VP	17000.00	0.10	100	90

2 rows in set (0.00 sec)

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.

Here is the sample table employees.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60

106 Valli Pataballa VPATABAL 590.423.4560 1987-06-23 IT_PROG
4800.00 0.00 103 60
107 Diana Lorentz DLORENTZ 590.423.5567 1987-06-24 IT_PROG
4200.00 0.00 103 60
108 Nancy Greenberg NGREENBE 515.124.4569 1987-06-25 FI_MGR
12000.00 0.00 101 100
109 Daniel Faviat DFAVIET 515.124.4169 1987-06-26 FI_ACCOUNT
9000.00 0.00 108 100
110 John Chen JCHEN 515.124.4269 1987-06-27 FI_ACCOUNT
8200.00 0.00 108 100
111 Ismael Sciarra ISCIARRA 515.124.4369 1987-06-28 FI_ACCOUNT
7700.00 0.00 108 100
112 Jose Manuel Urman JMURMAN 515.124.4469 1987-06-29 FI_ACCOUNT
7800.00 0.00 108 100
113 Luis Popp LPOPP 515.124.4567 1987-06-30 FI_ACCOUNT
6900.00 0.00 108 100
114 Den Raphaely DRAPHEAL 515.127.4561 1987-07-01 PU_MAN
11000.00 0.00 100 30
115 Alexander Khoo AKHOO 515.127.4562 1987-07-02 PU_CLERK
3100.00 0.00 114 30
116 Shelli Baida SBIDA 515.127.4563 1987-07-03 PU_CLERK
2900.00 0.00 114 30
117 Sigal Tobias STOBIA 515.127.4564 1987-07-04 PU_CLERK
2800.00 0.00 114 30
118 Guy Himuro GHIMURO 515.127.4565 1987-07-05 PU_CLERK
2600.00 0.00 114 30
119 Karen Colmenares KCOLMENA 515.127.4566 1987-07-06 PU_CLERK
2500.00 0.00 114 30
120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN
8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
124 Kevin Mourgoss KMOURGOS 650.123.5234 1987-07-11 ST_MAN
5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50

129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK
2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK
2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00
0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK
3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK
2500.00 0.00 123 50
141 Tenna Rajs TRAJs 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50
143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK
2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambraut GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80

	152	Peter	Hall	PHALL	011.44.1344.478968	1987-08-08	SA_REP	
9000.00		0.25		145		80		
	153	Christopher	Olsen	COLSEN	011.44.1344.498718	1987-08-09	SA_REP	
8000.00		0.20		145		80		
	154	Nanette	Cambrault	NCAMBRAU	011.44.1344.987668	1987-08-10	SA_REP	
7500.00		0.20		145		80		
	155	Oliver	Tuvault	OTUVAULT	011.44.1344.486508	1987-08-11	SA_REP	
7000.00		0.15		145		80		
	156	Janette	King	JKING	011.44.1345.429268	1987-08-12	SA_REP	
10000.00		0.35		146		80		
	157	Patrick	Sully	PSULLY	011.44.1345.929268	1987-08-13	SA_REP	
9500.00		0.35		146		80		
	158	Allan	McEwen	AMCEWEN	011.44.1345.829268	1987-08-14	SA_REP	
9000.00		0.35		146		80		
	159	Lindsey	Smith	LSMITH	011.44.1345.729268	1987-08-15	SA_REP	
8000.00		0.30		146		80		
	160	Louise	Doran	LDORAN	011.44.1345.629268	1987-08-16	SA_REP	
7500.00		0.30		146		80		
	161	Sarath	Sewall	SSEWALL	011.44.1345.529268	1987-08-17	SA_REP	
7000.00		0.25		146		80		
	162	Clara	Vishney	CVISHNEY	011.44.1346.129268	1987-08-18	SA_REP	
10500.00		0.25		147		80		
	163	Danielle	Greene	DGREENE	011.44.1346.229268	1987-08-19	SA_REP	
9500.00		0.15		147		80		
	164	Mattea	Marvins	MMARVINS	011.44.1346.329268	1987-08-20	SA_REP	
7200.00		0.10		147		80		
	165	David	Lee	DLEE	011.44.1346.529268	1987-08-21	SA_REP	
6800.00		0.10		147		80		
	166	Sundar	Ande	SANDE	011.44.1346.629268	1987-08-22	SA_REP	
6400.00		0.10		147		80		
	167	Amit	Banda	ABANDA	011.44.1346.729268	1987-08-23	SA_REP	
6200.00		0.10		147		80		
	168	Lisa	Ozer	LOZER	011.44.1343.929268	1987-08-24	SA_REP	
11500.00		0.25		148		80		
	169	Harrison	Bloom	HBLOOM	011.44.1343.829268	1987-08-25	SA_REP	
10000.00		0.20		148		80		
	170	Tayler	Fox	TFOX	011.44.1343.729268	1987-08-26	SA_REP	
9600.00		0.20		148		80		
	171	William	Smith	WSMITH	011.44.1343.629268	1987-08-27	SA_REP	
7400.00		0.15		148		80		
	172	Elizabeth	Bates	EBATES	011.44.1343.529268	1987-08-28	SA_REP	
7300.00		0.15		148		80		
	173	Sundita	Kumar	SKUMAR	011.44.1343.329268	1987-08-29	SA_REP	
6100.00		0.10		148		80		
	174	Ellen	Abel	EABEL	011.44.1644.429267	1987-08-30	SA_REP	
11000.00		0.30		149		80		

175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP
8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP
8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP
7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK
3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK
3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50
189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK
3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK
2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK
2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK
4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK
3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK
3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK
2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK
3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK
3000.00 0.00 124 50

	198	Donald	OConnell	DOCONNEL	650.507.9833		1987-09-23	SH_CLERK	
2600.00		0.00	124	50					
	199	Douglas	Grant	DGRANT	650.507.9844		1987-09-24	SH_CLERK	
2600.00		0.00	124	50					
	200	Jennifer	Whalen	JWHALEN	515.123.4444		1987-09-25	AD_ASST	
4400.00		0.00	101	10					
	201	Michael	Hartstein	MHARTSTE	515.123.5555		1987-09-26	MK_MAN	
13000.00		0.00	100	20					
	202	Pat	Fay	PFAY	603.123.6666		1987-09-27	MK_REP	6000.00
0.00		201	20						
	203	Susan	Mavris	SMAVRIS	515.123.7777		1987-09-28	HR_REP	
6500.00		0.00	101	40					
	204	Hermann	Baer	HBAER	515.123.8888		1987-09-29	PR_REP	
10000.00		0.00	101	70					
	205	Shelley	Higgins	SHIGGINS	515.123.8080		1987-09-30	AC_MGR	
12000.00		0.00	101	110					
	206	William	Gietz	WGIETZ	515.123.8181		1987-10-01	AC_ACCOUNT	
8300.00		0.00	205	110					

UPDATE employees

SET email='not available',

commission_pct=0.10

WHERE department_id=110;

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result. Only two rows have been displayed.

```
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL          | PHONE_NUMBER | HIRE_DATE | JOB_ID |
| SALARY      | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+
|      205 | Shelley   | Higgins   | not available | 515.123.8080 | 1987-09-30 | AC_MGR   |
| 12000.00 |      0.10 |      101 |      110 |
|      206 | William   | Gietz     | not available | 515.123.8181 | 1987-10-01 | AC_ACCOUNT |
| 8300.00  |      0.10 |      205 |      110 |
+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+
2 rows in set (0.00 sec)
```

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 is less than .20%

Here is the sample table employees.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
101	Neena	Kochhar	NKOCHHAR	515.123.4568	1987-06-18	AD_VP	17000.00	0.00	100	90
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
106	Valli	Pataballa	VPATABAL	590.423.4560	1987-06-23	IT_PROG	4800.00	0.00	103	60
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
108	Nancy	Greenberg	NGREENBE	515.124.4569	1987-06-25	FI_MGR	12000.00	0.00	101	100
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FI_ACCOUNT	9000.00	0.00	108	100
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FI_ACCOUNT	8200.00	0.00	108	100
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.00	108	100
112	Jose Manuel	Urman	JMURMAN	515.124.4469	1987-06-29	FI_ACCOUNT	7800.00	0.00	108	100
113	Luis	Popp	LPOPP	515.124.4567	1987-06-30	FI_ACCOUNT	6900.00	0.00	108	100
114	Den	Raphaely	DRAPHEAL	515.127.4561	1987-07-01	PU_MAN	11000.00	0.00	100	30
115	Alexander	Khoo	AKHOO	515.127.4562	1987-07-02	PU_CLERK	3100.00	0.00	114	30
116	Shelli	Baida	SBAIDA	515.127.4563	1987-07-03	PU_CLERK	2900.00	0.00	114	30
117	Sigal	Tobias	STOBIAS	515.127.4564	1987-07-04	PU_CLERK	2800.00	0.00	114	30
118	Guy	Himuro	GHIMURO	515.127.4565	1987-07-05	PU_CLERK	2600.00	0.00	114	30
119	Karen	Colmenares	KCOLMENA	515.127.4566	1987-07-06	PU_CLERK	2500.00	0.00	114	30

120 Matthew Weiss MWEISS 650.123.1234 1987-07-07 ST_MAN
8000.00 0.00 100 50
121 Adam Fripp AFRIPP 650.123.2234 1987-07-08 ST_MAN
8200.00 0.00 100 50
122 Payam Kaufling PKAUFLIN 650.123.3234 1987-07-09 ST_MAN
7900.00 0.00 100 50
123 Shanta Vollman SVOLLMAN 650.123.4234 1987-07-10 ST_MAN
6500.00 0.00 100 50
124 Kevin Mourgös KMOURGOS 650.123.5234 1987-07-11 ST_MAN
5800.00 0.00 100 50
125 Julia Nayer JNAYER 650.124.1214 1987-07-12 ST_CLERK
3200.00 0.00 120 50
126 Irene Mikkilineni IMIKKILI 650.124.1224 1987-07-13 ST_CLERK
2700.00 0.00 120 50
127 James Landry JLANDRY 650.124.1334 1987-07-14 ST_CLERK
2400.00 0.00 120 50
128 Steven Markle SMARKLE 650.124.1434 1987-07-15 ST_CLERK
2200.00 0.00 120 50
129 Laura Bissot LBISSOT 650.124.5234 1987-07-16 ST_CLERK
3300.00 0.00 121 50
130 Mozhe Atkinson MATKINSO 650.124.6234 1987-07-17 ST_CLERK
2800.00 0.00 121 50
131 James Marlow JAMRLOW 650.124.7234 1987-07-18 ST_CLERK
2500.00 0.00 121 50
132 TJ Olson TJOLSON 650.124.8234 1987-07-19 ST_CLERK
2100.00 0.00 121 50
133 Jason Mallin JMALLIN 650.127.1934 1987-07-20 ST_CLERK
3300.00 0.00 122 50
134 Michael Rogers MROGERS 650.127.1834 1987-07-21 ST_CLERK
2900.00 0.00 122 50
135 Ki Gee KGEE 650.127.1734 1987-07-22 ST_CLERK 2400.00
0.00 122 50
136 Hazel Philtanker HPHILTAN 650.127.1634 1987-07-23 ST_CLERK
2200.00 0.00 122 50
137 Renske Ladwig RLADWIG 650.121.1234 1987-07-24 ST_CLERK
3600.00 0.00 123 50
138 Stephen Stiles SSTILES 650.121.2034 1987-07-25 ST_CLERK
3200.00 0.00 123 50
139 John Seo JSEO 650.121.2019 1987-07-26 ST_CLERK
2700.00 0.00 123 50
140 Joshua Patel JPATEL 650.121.1834 1987-07-27 ST_CLERK
2500.00 0.00 123 50
141 Tenna Rajs TRAJs 650.121.8009 1987-07-28 ST_CLERK
3500.00 0.00 124 50
142 Curtis Davies CDAVIES 650.121.2994 1987-07-29 ST_CLERK
3100.00 0.00 124 50

143 Randall Matos RMATOS 650.121.2874 1987-07-30 ST_CLERK
2600.00 0.00 124 50
144 Peter Vargas PVARGAS 650.121.2004 1987-07-31 ST_CLERK
2500.00 0.00 124 50
145 John Russell JRUSSEL 011.44.1344.429268 1987-08-01 SA_MAN
14000.00 0.40 100 80
146 Karen Partners KPARTNER 011.44.1344.467268 1987-08-02 SA_MAN
13500.00 0.30 100 80
147 Alberto Errazuriz AERRAZUR 011.44.1344.429278 1987-08-03 SA_MAN
12000.00 0.30 100 80
148 Gerald Cambrault GCAMBRAU 011.44.1344.619268 1987-08-04 SA_MAN
11000.00 0.30 100 80
149 Eleni Zlotkey EZLOTKEY 011.44.1344.429018 1987-08-05 SA_MAN
10500.00 0.20 100 80
150 Peter Tucker PTUCKER 011.44.1344.129268 1987-08-06 SA_REP
10000.00 0.30 145 80
151 David Bernstein DBERNSTE 011.44.1344.345268 1987-08-07 SA_REP
9500.00 0.25 145 80
152 Peter Hall PHALL 011.44.1344.478968 1987-08-08 SA_REP
9000.00 0.25 145 80
153 Christopher Olsen COLSEN 011.44.1344.498718 1987-08-09 SA_REP
8000.00 0.20 145 80
154 Nanette Cambrault NCAMBRAU 011.44.1344.987668 1987-08-10 SA_REP
7500.00 0.20 145 80
155 Oliver Tuvault OTUVAULT 011.44.1344.486508 1987-08-11 SA_REP
7000.00 0.15 145 80
156 Janette King JKING 011.44.1345.429268 1987-08-12 SA_REP
10000.00 0.35 146 80
157 Patrick Sully PSULLY 011.44.1345.929268 1987-08-13 SA_REP
9500.00 0.35 146 80
158 Allan McEwen AMCEWEN 011.44.1345.829268 1987-08-14 SA_REP
9000.00 0.35 146 80
159 Lindsey Smith LSMITH 011.44.1345.729268 1987-08-15 SA_REP
8000.00 0.30 146 80
160 Louise Doran LDORAN 011.44.1345.629268 1987-08-16 SA_REP
7500.00 0.30 146 80
161 Sarath Sewall SSEWALL 011.44.1345.529268 1987-08-17 SA_REP
7000.00 0.25 146 80
162 Clara Vishney CVISHNEY 011.44.1346.129268 1987-08-18 SA_REP
10500.00 0.25 147 80
163 Danielle Greene DGREENE 011.44.1346.229268 1987-08-19 SA_REP
9500.00 0.15 147 80
164 Mattea Marvins MMARVINS 011.44.1346.329268 1987-08-20 SA_REP
7200.00 0.10 147 80
165 David Lee DLEE 011.44.1346.529268 1987-08-21 SA_REP
6800.00 0.10 147 80

166 Sundar Ande SANDE 011.44.1346.629268 1987-08-22 SA_REP
6400.00 0.10 147 80
167 Amit Banda ABANDA 011.44.1346.729268 1987-08-23 SA_REP
6200.00 0.10 147 80
168 Lisa Ozer LOZER 011.44.1343.929268 1987-08-24 SA_REP
11500.00 0.25 148 80
169 Harrison Bloom HBLOOM 011.44.1343.829268 1987-08-25 SA_REP
10000.00 0.20 148 80
170 Tayler Fox TFOX 011.44.1343.729268 1987-08-26 SA_REP
9600.00 0.20 148 80
171 William Smith WSMITH 011.44.1343.629268 1987-08-27 SA_REP
7400.00 0.15 148 80
172 Elizabeth Bates EBATES 011.44.1343.529268 1987-08-28 SA_REP
7300.00 0.15 148 80
173 Sundita Kumar SKUMAR 011.44.1343.329268 1987-08-29 SA_REP
6100.00 0.10 148 80
174 Ellen Abel EABEL 011.44.1644.429267 1987-08-30 SA_REP
11000.00 0.30 149 80
175 Alyssa Hutton AHUTTON 011.44.1644.429266 1987-08-31 SA_REP
8800.00 0.25 149 80
176 Jonathon Taylor JTAYLOR 011.44.1644.429265 1987-09-01 SA_REP
8600.00 0.20 149 80
177 Jack Livingston JLIVINGS 011.44.1644.429264 1987-09-02 SA_REP
8400.00 0.20 149 80
178 Kimberely Grant KGRANT 011.44.1644.429263 1987-09-03 SA_REP
7000.00 0.15 149 0
179 Charles Johnson CJOHNSON 011.44.1644.429262 1987-09-04 SA_REP
6200.00 0.10 149 80
180 Winston Taylor WTAYLOR 650.507.9876 1987-09-05 SH_CLERK
3200.00 0.00 120 50
181 Jean Fleaur JFLEAUR 650.507.9877 1987-09-06 SH_CLERK
3100.00 0.00 120 50
182 Martha Sullivan MSULLIVA 650.507.9878 1987-09-07 SH_CLERK
2500.00 0.00 120 50
183 Girard Geoni GGEONI 650.507.9879 1987-09-08 SH_CLERK
2800.00 0.00 120 50
184 Nandita Sarchand NSARCHAN 650.509.1876 1987-09-09 SH_CLERK
4200.00 0.00 121 50
185 Alexis Bull ABULL 650.509.2876 1987-09-10 SH_CLERK
4100.00 0.00 121 50
186 Julia Dellinger JDELLING 650.509.3876 1987-09-11 SH_CLERK
3400.00 0.00 121 50
187 Anthony Cabrio ACABRIO 650.509.4876 1987-09-12 SH_CLERK
3000.00 0.00 121 50
188 Kelly Chung KCHUNG 650.505.1876 1987-09-13 SH_CLERK
3800.00 0.00 122 50

189 Jennifer Dilly JDILLY 650.505.2876 1987-09-14 SH_CLERK 3600.00 0.00 122 50
190 Timothy Gates TGATES 650.505.3876 1987-09-15 SH_CLERK 2900.00 0.00 122 50
191 Randall Perkins RPERKINS 650.505.4876 1987-09-16 SH_CLERK 2500.00 0.00 122 50
192 Sarah Bell SBELL 650.501.1876 1987-09-17 SH_CLERK 4000.00 0.00 123 50
193 Britney Everett BEVERETT 650.501.2876 1987-09-18 SH_CLERK 3900.00 0.00 123 50
194 Samuel McCain SMCCAIN 650.501.3876 1987-09-19 SH_CLERK 3200.00 0.00 123 50
195 Vance Jones VJONES 650.501.4876 1987-09-20 SH_CLERK 2800.00 0.00 123 50
196 Alana Walsh AWALSH 650.507.9811 1987-09-21 SH_CLERK 3100.00 0.00 124 50
197 Kevin Feeney KFEENEY 650.507.9822 1987-09-22 SH_CLERK 3000.00 0.00 124 50
198 Donald OConnell DOCONNEL 650.507.9833 1987-09-23 SH_CLERK 2600.00 0.00 124 50
199 Douglas Grant DGRANT 650.507.9844 1987-09-24 SH_CLERK 2600.00 0.00 124 50
200 Jennifer Whalen JWHALEN 515.123.4444 1987-09-25 AD_ASST 4400.00 0.00 101 10
201 Michael Hartstein MHARTSTE 515.123.5555 1987-09-26 MK_MAN 13000.00 0.00 100 20
202 Pat Fay PFAY 603.123.6666 1987-09-27 MK_REP 6000.00 0.00 201 20
203 Susan Mavris SMAVRIS 515.123.7777 1987-09-28 HR_REP 6500.00 0.00 101 40
204 Hermann Baer HBAER 515.123.8888 1987-09-29 PR_REP 10000.00 0.00 101 70
205 Shelley Higgins SHIGGINS 515.123.8080 1987-09-30 AC_MGR 12000.00 0.00 101 110
206 William Gietz WGIETZ 515.123.8181 1987-10-01 AC_ACCOUNT 8300.00 0.00 205 110

UPDATE employees

SET email='not available'

WHERE department_id=80 AND commission_pct<.20;

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result. Only the effected rows have been displayed.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
155	Oliver	Tuvault	not available	011.44.1344.486508	1987-08-11	SA_REP	7000.00	0.15	145	80
163	Danielle	Greene	not available	011.44.1346.229268	1987-08-19	SA_REP	9500.00	0.15	147	80
164	Mattea	Marvins	not available	011.44.1346.329268	1987-08-20	SA_REP	7200.00	0.10	147	80
165	David	Lee	not available	011.44.1346.529268	1987-08-21	SA_REP	6800.00	0.10	147	80
166	Sundar	Ande	not available	011.44.1346.629268	1987-08-22	SA_REP	6400.00	0.10	147	80
167	Amit	Banda	not available	011.44.1346.729268	1987-08-23	SA_REP	6200.00	0.10	147	80
171	William	Smith	not available	011.44.1343.629268	1987-08-27	SA_REP	7400.00	0.15	148	80
172	Elizabeth	Bates	not available	011.44.1343.529268	1987-08-28	SA_REP	7300.00	0.15	148	80
173	Sundita	Kumar	not available	011.44.1343.329268	1987-08-29	SA_REP	6100.00	0.10	148	80
179	Charles	Johnson	not available	011.44.1644.429262	1987-09-04	SA_REP	6200.00	0.10	149	80

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

Here is the sample table employees.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
-------------	------------	-----------	-------	--------------	-----------	--------	--------	----------------	------------	---------------

Here is the sample table departments.

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
10	Administration	200	1700
20	Marketing	201	1800
30	Purchasing	114	1700
40	Human Resources	203	2400
50	Shipping	121	1500
60	IT	103	1400
70	Public Relations	204	2700

```

|      80 | Sales      |      145 |      2500 |
|      90 | Executive  |      100 |      1700 |
|     100 | Finance    |      108 |      1700 |
|     110 | Accounting |      205 |      1700 |
|     120 | Treasury   |        0 |      1700 |
|     130 | Corporate Tax |        0 |      1700 |
|     140 | Control And Credit |        0 |      1700 |
|     150 | Shareholder Services |        0 |      1700 |
|     160 | Benefits   |        0 |      1700 |
|     170 | Manufacturing |        0 |      1700 |
|     180 | Construction |        0 |      1700 |
|     190 | Contracting |        0 |      1700 |
|     200 | Operations |        0 |      1700 |
|     210 | IT Support  |        0 |      1700 |
|     220 | NOC         |        0 |      1700 |
|     230 | IT Helpdesk |        0 |      1700 |
|     240 | Government Sales |        0 |      1700 |
|     250 | Retail Sales |        0 |      1700 |
|     260 | Recruiting  |        0 |      1700 |
|     270 | Payroll     |        0 |      1700 |
+-----+-----+-----+-----+

```

Let execute the above code in MySQL 5.6 command prompt

See the result. Only the effected rows have been displayed.

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
205	Shelley	Higgins	not available	515.123.8080	1987-09-30	AC_MGR	12000.00	0.00	101	110
206	William	Gietz	not available	515.123.8181	1987-10-01	AC_ACCOUNT	8300.00	0.00	205	110

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

Here is the sample table employees.

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+

```

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

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result. Only the effected rows have been displayed.

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+

```



```

| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID |
SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+
|      105 | David      | Austin    | DAUSTIN | 590.423.4569 | 1987-06-22 | IT_PROG | 8000.00 |
0.00 |      103 |          60 |
+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+

```

7. 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.

Here is the sample table employees.

```

+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+-----+

```

```
UPDATE employees SET JOB_ID= 'SH_CLERK'
```

```
WHERE employee_id=118
```

```
AND department_id=30
```

```
AND NOT JOB_ID LIKE 'SH%';
```

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result. Only the effected rows have been displayed.

```

+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID |
SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+
|      118 | Guy        | Himuro    | GHIMURO | 515.127.4565 | 1987-07-05 | SH_CLERK | 2600.00 |
0.00 |      114 |          30 |
+-----+-----+-----+-----+-----+-----+-----+
-----+-----+-----+

```

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

Here is the sample table employees.

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+

```

```

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

```

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result before update. Only the effected rows have been displayed.

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID |
| SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+
| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD_PRES | 24000.00 |
0.00 | 0 | 90 |
| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD_VP | 17000.00 |
0.00 | 100 | 90 |
| 102 | Lex | De Haan | LDEHAAN | 515.123.4569 | 1987-06-19 | AD_VP | 17000.00 |
0.00 | 100 | 90 |
| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR_REP | 6500.00 |
0.00 | 101 | 40 |
| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC_MGR | 12000.00 |
0.00 | 101 | 110 |
| 206 | William | Gietz | WGIETZ | 515.123.8181 | 1987-10-01 | AC_ACCOUNT | 8300.00 |
0.00 | 205 | 110 |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+

```

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.

Here is the sample table employees.

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+-----+

```

Here is the sample table jobs.

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
AD_PRES	President	20000	40000
AD_VP	Administration Vice President	15000	30000
AD_ASST	Administration Assistant	3000	6000
FI_MGR	Finance Manager	8200	16000
FI_ACCOUNT	Accountant	4200	9000
AC_MGR	Accounting Manager	8200	16000
AC_ACCOUNT	Public Accountant	4200	9000
SA_MAN	Sales Manager	10000	20000
SA_REP	Sales Representative	6000	12000
PU_MAN	Purchasing Manager	8000	15000
PU_CLERK	Purchasing Clerk	2500	5500
ST_MAN	Stock Manager	5500	8500
ST_CLERK	Stock Clerk	2000	5000
SH_CLERK	Shipping Clerk	2500	5500
IT_PROG	Programmer	4000	10000
MK_MAN	Marketing Manager	9000	15000
MK_REP	Marketing Representative	4000	9000
HR_REP	Human Resources Representative	4000	9000
PR_REP	Public Relations Representative	4500	10500

UPDATE jobs,employees

SET jobs.min_salary=jobs.min_salary+2000,

jobs.max_salary=jobs.max_salary+2000,

employees.salary=employees.salary+(employees.salary*.20),

employees.commission_pct=employees.commission_pct+.10

WHERE jobs.job_id='PU_CLERK'

AND employees.job_id='PU_CLERK';

Copy

Let execute the above code in MySQL 5.6 command prompt

See the result before update. Only the effected rows have been displayed.

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_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
|      115 | Alexander | Khoo      | AKHOO    | 515.127.4562 | 1987-07-02 | PU_CLERK | 3100.00 |
0.00 |      114 |          | 30       |
|      116 | Shelli   | Baida     | SBAIDA   | 515.127.4563 | 1987-07-03 | PU_CLERK | 2900.00 |
0.00 |      114 |          | 30       |
|      117 | Sigal    | Tobias     | STOBIAAS | 515.127.4564 | 1987-07-04 | PU_CLERK | 2800.00 |
0.00 |      114 |          | 30       |
|      118 | Guy      | Himuro     | GHIMURO  | 515.127.4565 | 1987-07-05 | PU_CLERK | 2600.00 |
0.00 |      114 |          | 30       |
|      119 | Karen    | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU_CLERK | 2500.00 |
|      0.00 |      114 |          | 30       |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+

```

See the result. Only the effected rows have been displayed.

table - jobs

```

+-----+-----+-----+-----+
| JOB_ID   | JOB_TITLE   | MIN_SALARY | MAX_SALARY |
+-----+-----+-----+-----+
| PU_CLERK | Purchasing Clerk |      4500 |      7500 |
+-----+-----+-----+-----+

```

table - employees

```

+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL   | PHONE_NUMBER | HIRE_DATE | JOB_ID   |
SALARY | COMMISSION_PCT | MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+
|      115 | Alexander | Khoo      | AKHOO    | 515.127.4562 | 1987-07-02 | PU_CLERK | 3720.00 |
0.10 |      114 |          | 30       |
|      116 | Shelli   | Baida     | SBAIDA   | 515.127.4563 | 1987-07-03 | PU_CLERK | 3480.00 |
0.10 |      114 |          | 30       |
|      117 | Sigal    | Tobias     | STOBIAAS | 515.127.4564 | 1987-07-04 | PU_CLERK | 3360.00 |
0.10 |      114 |          | 30       |
|      118 | Guy      | Himuro     | GHIMURO  | 515.127.4565 | 1987-07-05 | PU_CLERK | 3120.00 |
0.10 |      114 |          | 30       |
|      119 | Karen    | Colmenares | KCOLMENA | 515.127.4566 | 1987-07-06 | PU_CLERK | 3000.00 |
|      0.10 |      114 |          | 30       |
+-----+-----+-----+-----+-----+-----+-----+-----+
+-----+-----+

```

