**1.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**

dbms\_ass1=# update employees set salary=8000 where employee\_id=105 and salary<5000;

UPDATE 1

dbms\_ass1=# select \* from employees where employee\_id=105;

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

(1 row)

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

dbms\_ass1=# update employees set job\_id='SH\_CLERK' where employee\_id=118 and department\_id=30 and job\_id not like 'SH%';

UPDATE 1

dbms\_ass1=# select \* from employees where employee\_id=118;

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

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

dbms\_ass1=# update employees set salary=salary+salary\*0.25 where department\_id=40;

UPDATE 1

dbms\_ass1=# update employees set salary=salary+salary\*0.15 where department\_id=90;

UPDATE 3

dbms\_ass1=# update employees set salary=salary+salary\*0.10 where department\_id=110;

UPDATE 2

dbms\_ass1=# select \* from employees where department\_id in (40,90,110);

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 | 27600.00 | 0.10 | 0 | 90

101 | Neena | Kochhar | not available | 515.123.4568 | 1987-06-18 | AD\_VP | 19550.00 | 0.10 | 100 | 90

102 | Lex | De Haan | not available | 515.123.4569 | 1987-06-19 | AD\_VP | 19550.00 | 0.10 | 100 | 90

203 | Susan | Mavris | not available | 515.123.7777 | 1987-09-28 | HR\_REP | 8125.00 | 0.10 | 101 | 40

205 | Shelley | Higgins | not available | 515.123.8080 | 1987-09-30 | AC\_MGR | 13200.00 | 0.10 | 101 | 110

206 | William | Gietz | not available | 515.123.8181 | 1987-10-01 | AC\_ACCOUNT | 9130.00 | 0.10 | 205 | 110

(6 rows)

**5.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%.**

dbms\_ass1=# update employees set email='not available' where department\_id=80 and commission\_pct<0.20;

UPDATE 10

dbms\_ass1=# select \* from employees where department\_id=80 and commission\_pct<0.20;

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

(10 rows)

**6.Write a SQL statement to change the email and commission\_pct column of the employees table with 'not available' and 0.10 for all employees.**

dbms\_ass1=# update employees set email='not available',commission\_pct=0.10;

UPDATE 107

dbms\_ass1=# select \* from employees;

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

102 | Lex | De Haan | not available | 515.123.4569 | 1987-06-19 | AD\_VP | 17000.00 | 0.10 | 100 | 90

103 | Alexander | Hunold | not available | 590.423.4567 | 1987-06-20 | IT\_PROG | 9000.00 | 0.10 | 102 | 60

104 | Bruce | Ernst | not available | 590.423.4568 | 1987-06-21 | IT\_PROG | 6000.00 | 0.10 | 103 | 60

106 | Valli | Pataballa | not available | 590.423.4560 | 1987-06-23 | IT\_PROG | 4800.00 | 0.10 | 103 | 60

107 | Diana | Lorentz | not available | 590.423.5567 | 1987-06-24 | IT\_PROG | 4200.00 | 0.10 | 103 | 60

108 | Nancy | Greenberg | not available | 515.124.4569 | 1987-06-25 | FI\_MGR | 12000.00 | 0.10 | 101 | 100

109 | Daniel | Faviet | not available | 515.124.4169 | 1987-06-26 | FI\_ACCOUNT | 9000.00 | 0.10 | 108 | 100

110 | John | Chen | not available | 515.124.4269 | 1987-06-27 | FI\_ACCOUNT | 8200.00 | 0.10 | 108 | 100

111 | Ismael | Sciarra | not available | 515.124.4369 | 1987-06-28 | FI\_ACCOUNT | 7700.00 | 0.10 | 108 | 100

112 | Jose Manuel | Urman | not available | 515.124.4469 | 1987-06-29 | FI\_ACCOUNT | 7800.00 | 0.10 | 108 | 100

113 | Luis | Popp | not available | 515.124.4567 | 1987-06-30 | FI\_ACCOUNT | 6900.00 | 0.10 | 108 | 100

114 | Den | Raphaely | not available | 515.127.4561 | 1987-07-01 | PU\_MAN | 11000.00 | 0.10 | 100 | 30

115 | Alexander | Khoo | not available | 515.127.4562 | 1987-07-02 | PU\_CLERK | 3100.00 | 0.10 | 114 | 30

116 | Shelli | Baida | not available | 515.127.4563 | 1987-07-03 | PU\_CLERK | 2900.00 | 0.10 | 114 | 30

117 | Sigal | Tobias | not available | 515.127.4564 | 1987-07-04 | PU\_CLERK | 2800.00 | 0.10 | 114 | 30

119 | Karen | Colmenares | not available | 515.127.4566 | 1987-07-06 | PU\_CLERK | 2500.00 | 0.10 | 114 | 30

120 | Matthew | Weiss | not available | 650.123.1234 | 1987-07-07 | ST\_MAN | 8000.00 | 0.10 | 100 | 50

121 | Adam | Fripp | not available | 650.123.2234 | 1987-07-08 | ST\_MAN | 8200.00 | 0.10 | 100 | 50

122 | Payam | Kaufling | not available | 650.123.3234 | 1987-07-09 | ST\_MAN | 7900.00 | 0.10 | 100 | 50

123 | Shanta | Vollman | not available | 650.123.4234 | 1987-07-10 | ST\_MAN | 6500.00 | 0.10 | 100 | 50

124 | Kevin | Mourgos | not available | 650.123.5234 | 1987-07-11 | ST\_MAN | 5800.00 | 0.10 | 100 | 50

125 | Julia | Nayer | not available | 650.124.1214 | 1987-07-12 | ST\_CLERK | 3200.00 | 0.10 | 120 | 50

126 | Irene | Mikkilineni | not available | 650.124.1224 | 1987-07-13 | ST\_CLERK | 2700.00 | 0.10 | 120 | 50

127 | James | Landry | not available | 650.124.1334 | 1987-07-14 | ST\_CLERK | 2400.00 | 0.10 | 120 | 50

128 | Steven | Markle | not available | 650.124.1434 | 1987-07-15 | ST\_CLERK | 2200.00 | 0.10 | 120 | 50

129 | Laura | Bissot | not available | 650.124.5234 | 1987-07-16 | ST\_CLERK | 3300.00 | 0.10 | 121 | 50

130 | Mozhe | Atkinson | not available | 650.124.6234 | 1987-07-17 | ST\_CLERK | 2800.00 | 0.10 | 121 | 50

131 | James | Marlow | not available | 650.124.7234 | 1987-07-18 | ST\_CLERK | 2500.00 | 0.10 | 121 | 50

132 | TJ | Olson | not available | 650.124.8234 | 1987-07-19 | ST\_CLERK | 2100.00 | 0.10 | 121 | 50

133 | Jason | Mallin | not available | 650.127.1934 | 1987-07-20 | ST\_CLERK | 3300.00 | 0.10 | 122 | 50

134 | Michael | Rogers | not available | 650.127.1834 | 1987-07-21 | ST\_CLERK | 2900.00 | 0.10 | 122 | 50

135 | Ki | Gee | not available | 650.127.1734 | 1987-07-22 | ST\_CLERK | 2400.00 | 0.10 | 122 | 50

136 | Hazel | Philtanker | not available | 650.127.1634 | 1987-07-23 | ST\_CLERK | 2200.00 | 0.10 | 122 | 50

137 | Renske | Ladwig | not available | 650.121.1234 | 1987-07-24 | ST\_CLERK | 3600.00 | 0.10 | 123 | 50

138 | Stephen | Stiles | not available | 650.121.2034 | 1987-07-25 | ST\_CLERK | 3200.00 | 0.10 | 123 | 50

139 | John | Seo | not available | 650.121.2019 | 1987-07-26 | ST\_CLERK | 2700.00 | 0.10 | 123 | 50

140 | Joshua | Patel | not available | 650.121.1834 | 1987-07-27 | ST\_CLERK | 2500.00 | 0.10 | 123 | 50

141 | Trenna | Rajs | not available | 650.121.8009 | 1987-07-28 | ST\_CLERK | 3500.00 | 0.10 | 124 | 50

142 | Curtis | Davies | not available | 650.121.2994 | 1987-07-29 | ST\_CLERK | 3100.00 | 0.10 | 124 | 50

143 | Randall | Matos | not available | 650.121.2874 | 1987-07-30 | ST\_CLERK | 2600.00 | 0.10 | 124 | 50

177 | Jack | Livingston | not available | 011.44.1644.429264 | 1987-09-02 | SA\_REP | 8400.00 | 0.10 | 149 | 80

144 | Peter | Vargas | not available | 650.121.2004 | 1987-07-31 | ST\_CLERK | 2500.00 | 0.10 | 124 | 50

145 | John | Russell | not available | 011.44.1344.429268 | 1987-08-01 | SA\_MAN | 14000.00 | 0.10 | 100 | 80

146 | Karen | Partners | not available | 011.44.1344.467268 | 1987-08-02 | SA\_MAN | 13500.00 | 0.10 | 100 | 80

147 | Alberto | Errazuriz | not available | 011.44.1344.429278 | 1987-08-03 | SA\_MAN | 12000.00 | 0.10 | 100 | 80

148 | Gerald | Cambrault | not available | 011.44.1344.619268 | 1987-08-04 | SA\_MAN | 11000.00 | 0.10 | 100 | 80

149 | Eleni | Zlotkey | not available | 011.44.1344.429018 | 1987-08-05 | SA\_MAN | 10500.00 | 0.10 | 100 | 80

150 | Peter | Tucker | not available | 011.44.1344.129268 | 1987-08-06 | SA\_REP | 10000.00 | 0.10 | 145 | 80

151 | David | Bernstein | not available | 011.44.1344.345268 | 1987-08-07 | SA\_REP | 9500.00 | 0.10 | 145 | 80

152 | Peter | Hall | not available | 011.44.1344.478968 | 1987-08-08 | SA\_REP | 9000.00 | 0.10 | 145 | 80

153 | Christopher | Olsen | not available | 011.44.1344.498718 | 1987-08-09 | SA\_REP | 8000.00 | 0.10 | 145 | 80

154 | Nanette | Cambrault | not available | 011.44.1344.987668 | 1987-08-10 | SA\_REP | 7500.00 | 0.10 | 145 | 80

156 | Janette | King | not available | 011.44.1345.429268 | 1987-08-12 | SA\_REP | 10000.00 | 0.10 | 146 | 80

157 | Patrick | Sully | not available | 011.44.1345.929268 | 1987-08-13 | SA\_REP | 9500.00 | 0.10 | 146 | 80

158 | Allan | McEwen | not available | 011.44.1345.829268 | 1987-08-14 | SA\_REP | 9000.00 | 0.10 | 146 | 80

159 | Lindsey | Smith | not available | 011.44.1345.729268 | 1987-08-15 | SA\_REP | 8000.00 | 0.10 | 146 | 80

160 | Louise | Doran | not available | 011.44.1345.629268 | 1987-08-16 | SA\_REP | 7500.00 | 0.10 | 146 | 80

161 | Sarath | Sewall | not available | 011.44.1345.529268 | 1987-08-17 | SA\_REP | 7000.00 | 0.10 | 146 | 80

162 | Clara | Vishney | not available | 011.44.1346.129268 | 1987-08-18 | SA\_REP | 10500.00 | 0.10 | 147 | 80

168 | Lisa | Ozer | not available | 011.44.1343.929268 | 1987-08-24 | SA\_REP | 11500.00 | 0.10 | 148 | 80

169 | Harrison | Bloom | not available | 011.44.1343.829268 | 1987-08-25 | SA\_REP | 10000.00 | 0.10 | 148 | 80

170 | Tayler | Fox | not available | 011.44.1343.729268 | 1987-08-26 | SA\_REP | 9600.00 | 0.10 | 148 | 80

174 | Ellen | Abel | not available | 011.44.1644.429267 | 1987-08-30 | SA\_REP | 11000.00 | 0.10 | 149 | 80

175 | Alyssa | Hutton | not available | 011.44.1644.429266 | 1987-08-31 | SA\_REP | 8800.00 | 0.10 | 149 | 80

176 | Jonathon | Taylor | not available | 011.44.1644.429265 | 1987-09-01 | SA\_REP | 8600.00 | 0.10 | 149 | 80

118 | Guy | Himuro | not available | 515.127.4565 | 1987-07-05 | SH\_CLERK | 2600.00 | 0.10 | 114 | 30

155 | Oliver | Tuvault | not available | 011.44.1344.486508 | 1987-08-11 | SA\_REP | 7000.00 | 0.10 | 145 | 80

178 | Kimberely | Grant | not available | 011.44.1644.429263 | 1987-09-03 | SA\_REP | 7000.00 | 0.10 | 149 | 0

180 | Winston | Taylor | not available | 650.507.9876 | 1987-09-05 | SH\_CLERK | 3200.00 | 0.10 | 120 | 50

181 | Jean | Fleaur | not available | 650.507.9877 | 1987-09-06 | SH\_CLERK | 3100.00 | 0.10 | 120 | 50

182 | Martha | Sullivan | not available | 650.507.9878 | 1987-09-07 | SH\_CLERK | 2500.00 | 0.10 | 120 | 50

183 | Girard | Geoni | not available | 650.507.9879 | 1987-09-08 | SH\_CLERK | 2800.00 | 0.10 | 120 | 50

184 | Nandita | Sarchand | not available | 650.509.1876 | 1987-09-09 | SH\_CLERK | 4200.00 | 0.10 | 121 | 50

185 | Alexis | Bull | not available | 650.509.2876 | 1987-09-10 | SH\_CLERK | 4100.00 | 0.10 | 121 | 50

186 | Julia | Dellinger | not available | 650.509.3876 | 1987-09-11 | SH\_CLERK | 3400.00 | 0.10 | 121 | 50

187 | Anthony | Cabrio | not available | 650.509.4876 | 1987-09-12 | SH\_CLERK | 3000.00 | 0.10 | 121 | 50

188 | Kelly | Chung | not available | 650.505.1876 | 1987-09-13 | SH\_CLERK | 3800.00 | 0.10 | 122 | 50

189 | Jennifer | Dilly | not available | 650.505.2876 | 1987-09-14 | SH\_CLERK | 3600.00 | 0.10 | 122 | 50

190 | Timothy | Gates | not available | 650.505.3876 | 1987-09-15 | SH\_CLERK | 2900.00 | 0.10 | 122 | 50

191 | Randall | Perkins | not available | 650.505.4876 | 1987-09-16 | SH\_CLERK | 2500.00 | 0.10 | 122 | 50

192 | Sarah | Bell | not available | 650.501.1876 | 1987-09-17 | SH\_CLERK | 4000.00 | 0.10 | 123 | 50

193 | Britney | Everett | not available | 650.501.2876 | 1987-09-18 | SH\_CLERK | 3900.00 | 0.10 | 123 | 50

194 | Samuel | McCain | not available | 650.501.3876 | 1987-09-19 | SH\_CLERK | 3200.00 | 0.10 | 123 | 50

195 | Vance | Jones | not available | 650.501.4876 | 1987-09-20 | SH\_CLERK | 2800.00 | 0.10 | 123 | 50

196 | Alana | Walsh | not available | 650.507.9811 | 1987-09-21 | SH\_CLERK | 3100.00 | 0.10 | 124 | 50

197 | Kevin | Feeney | not available | 650.507.9822 | 1987-09-22 | SH\_CLERK | 3000.00 | 0.10 | 124 | 50

198 | Donald | OConnell | not available | 650.507.9833 | 1987-09-23 | SH\_CLERK | 2600.00 | 0.10 | 124 | 50

199 | Douglas | Grant | not available | 650.507.9844 | 1987-09-24 | SH\_CLERK | 2600.00 | 0.10 | 124 | 50

200 | Jennifer | Whalen | not available | 515.123.4444 | 1987-09-25 | AD\_ASST | 4400.00 | 0.10 | 101 | 10

201 | Michael | Hartstein | not available | 515.123.5555 | 1987-09-26 | MK\_MAN | 13000.00 | 0.10 | 100 | 20

202 | Pat | Fay | not available | 603.123.6666 | 1987-09-27 | MK\_REP | 6000.00 | 0.10 | 201 | 20

203 | Susan | Mavris | not available | 515.123.7777 | 1987-09-28 | HR\_REP | 6500.00 | 0.10 | 101 | 40

204 | Hermann | Baer | not available | 515.123.8888 | 1987-09-29 | PR\_REP | 10000.00 | 0.10 | 101 | 70

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

105 | David | Austin | not available | 590.423.4569 | 1987-06-22 | IT\_PROG | 8000.00 | 0.10 | 103 | 60

163 | Danielle | Greene | not available | 011.44.1346.229268 | 1987-08-19 | SA\_REP | 9500.00 | 0.10 | 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 | 0.10 | 148 | 80

172 | Elizabeth | Bates | not available | 011.44.1343.529268 | 1987-08-28 | SA\_REP | 7300.00 | 0.10 | 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

(107 rows)