

1. Write a query to display the name (first_name, last_name) and salary for all employees whose salary is not in the range \$10,000 through \$15,000.

- Select concat(first_name,last_name) as name, salary from employees where salary not between 10000 and 20000

Sample table: employees----- Create a employee table and insert few of records from below of it and write the queries for the all the questionsbelow.

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

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				
+.....+.....+.....+.....+.....				
+.....+.....+.....+.....+.....				
+.....				

2. Write a query to display the name (first_name, last_name) and department ID of all employees in departments 30 or 100 in ascending order.

- Select concat(first_name,last_name) as name, deptid from employeesWhere deptid in (30,100) order by deptid;

3. Write a query to display the name (first_name, last_name) and salary for all employees whose salary is not in the range \$10,000 through \$15,000 and are in department 30 or 100

➤ Select concat(first_name,last_name) as name, salary from employeesWhere
salary not between 10000 and 15000 and deptid in(30,100)
//Where salary >=10000 and salary<=15000 and (deptid=30 or deptid=100)

4. Write a query to display the name (first_name, last_name) and hire date for all employees who were hired in 1987

➤ Select concat(first_name,last_name) as name, hire_date from employees
Where year(hire_date)=1987

5. Write a query to display the first_name of all employees who have both "b" and "c" in their first name.

➤ Select first_name from employees where first_name like '%b%c%' ;

6. Write a query to display the last name, job, and salary for all employees whose job is that of a Programmer or a Shipping Clerk, and whose salary is not equal to \$4,500, \$10,000, or \$15,000.

Select last_name,job_id,salary from employees where job_id in ('programmer','Shipping Clerk') and salary not in(4500,10000,15000);

7. Write a query to display the last name of employees whose names have exactly 6 characters.

Select last_name from employees where length(last_name)=6;

8. Write a query to display the last name of employees having 'e' as the third character.

Select last_name from employees where last_name like ' __e%'

9. Write a query to display the jobs/designations available in the employee table.

Select distinct job_id from employees

10. Write a query to display the name (first_name, last_name), salary and PF(15% of salary) of all employees.

➤ select concat(first_name,last_name) as name , salary, salary*15/100 as PF From employees

11. Write a query to select all record from employees where last name in 'BLAKE', 'SCOTT', 'KING' and 'FORD'.

➤ select *from employees where last_name in ('BLAKE', 'SCOTT', 'KING', 'FORD');