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 questions below.

```
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 |
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|         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 |
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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	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

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

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.
 Sample table: employees

Select concat(first_name,last_name) as name, deptid from employees Where 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

Sample table: employees

Select concat(first_name,last_name) as name, salary from employees
Where 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
Sample table: employees

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.
Sample table: employees

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.

Sample table: employees

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.

Sample table: employee

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.

Sample table: employees

Select last_name from employees where last_name like '_ _e%'

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

Sample table: employees

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.

Sample table: 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'.

Sample table: employees

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