

Assignment-22

Retrieve data and order by clause

Kaviya C

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.

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						
	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	Shellli	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	Trena	Raj	TRAJ	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						
+-----+-----+-----+-----+-----+-----						
+-----+-----+-----+-----+-----+-----						
-----+						

Query:

```
mysql> SELECT first_name,last_name,salary FROM employees  
-> WHERE salary NOT BETWEEN 10000 AND 15000;
```

first_name	last_name	salary
Steven	King	24000.00
Neena	Kochhar	17000.00
Lex	De Haan	17000.00
Alexander	Hunold	9000.00
Bruce	ERNST	6000.00
David	Austin	4800.00
Vali	Pataballa	4800.00
Diana	Lorentz	4200.00
Daniel	Faviet	9000.00
John	Chen	8200.00
Ismael	Sciarra	7700.00
Jose Manuel	Urman	7800.00
Luis	Popp	6900.00
Alexander	Khoo	31000.00
Shelli	Baida	29000.00
Sigal	Tobias	28000.00
Guy	Himuro	26000.00
Karen	Colmenares	2500.00
Matthew	Weiss	8000.00
Adam	Fripp	8200.00
Payam	Kaufling	7900.00
Shanta	Vollman	6500.00
Kevin	Mourgos	5800.00
Julia	Nayer	3200.00
Irene	Mikilineni	2700.00
James	Landry	2400.00
Steven	Markle	2200.00
Laura	Bissot	3300.00
Mozhe	Atkinson	2800.00
James	Marlow	2500.00

TJ	Olso	2100.00
Jason	Mallin	3300.00
Michael	Rogers	2900.00
Ki	Gee	2400.00
Hazel	Philtanker	2200.00
Renske	Ladwig	3600.00
Stephen	Stiles	3200.00
John	Seo	2700.00
Joshua	Patel	2500.00
Trenna	Rajs	3500.00
Curtis	Davies	3100.00
Randall	Matos	2600.00
Peter	Vargas	2500.00
David	Bernstein	9500.00
Peter	Hall	90000.00
Christopher	Olsen	8000.00
Nanette	Cambrault	7500.00
Oliver	Tuvault	7000.00
Patrick	Sully	9500.00
Allan	McEwen	9000.00
Lindsey	Smith	8000.00
Louise	Doran	7500.00
Sarath	Sewall	7000.00
Danielle	Greene	9500.00
Mattea	Marvins	7200.00
David	Lee	6800.00
Sundar	Ande	6400.00
Amit	Banda	6200.00
Tayler	Fox	9600.00
William	Smith	7400.00
Elizabeth	Bates	7300.00
Sundita	Kumar	6100.00
Alyssa	hutton	8800.00
Jonathon	Taylor	8600.00
Jack	Livingston	8400.00
Kimberely	Grant	7000.00
Charles	Johnson	6200.00

Winston	Taylor	3200.00
Jean	Fleaur	3100.00
Martha	Sullivan	2500.00
Girard	Geoni	2800.00
Nandita	Sarchand	4200.00
Alexis	Bull	4100.00
Julia	Delinger	3400.00
Anthony	Carbo	3000.00
Kelly	Chung	3800.00
Jennifer	Dilly	3600.00
Timothy	Gates	2900.00
Randall	Perkins	2500.00
Sarah	Bell	4000.00
Britney	Everet	3900.00
Samuel	McCain	3200.00
Vance	Jones	2800.00
Alana	Walsh	3100.00
Kevin	Feeney	3000.00
Donald	Oconnell	2600.00
Douglas	Grant	2600.00
Jennifer	Whalen	4400.00
Michael	Hartstein	3900.00
Pat	Fay	6000.00
Susan	Mavris	6500.00
William	Gietz	8300.00

92 rows in set (0.06 sec)

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

Query:

```
mysql> SELECT first_name,last_name,department_id FROM employees
-> WHERE department_id IN (30,100) ORDER BY department_id ASC;
```

first_name	last_name	department_id
Den	Raphaely	30
Alexander	Khoo	30
Shelli	Baida	30
Sigal	Tobias	30
Guy	Himuro	30
Karen	Colmenares	30
Nancy	GreenBerg	100
Daniel	Faviet	100
John	Chen	100
Ismael	Sciarra	100
Jose Manuel	Urman	100
Luis	Popp	100

12 rows in set (0.00 sec)

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

Query:

```
mysql> SELECT first_name,last_name,salary,department_id FROM employees
-> WHERE salary NOT BETWEEN 10000 AND 15000 AND department_id IN (30,100);
```

first_name	last_name	salary	department_id
Daniel	Faviet	9000.00	100
John	Chen	8200.00	100
Ismael	Sciarra	7700.00	100
Jose Manuel	Urman	7800.00	100
Luis	Popp	6900.00	100
Alexander	Khoo	31000.00	30
Shelli	Baida	29000.00	30
Sigal	Tobias	28000.00	30
Guy	Himuro	26000.00	30
Karen	Colmenares	2500.00	30

10 rows in set (0.00 sec)

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

Query:

```
mysql> SELECT first_name,last_name,hire_date FROM employees  
-> WHERE YEAR(hire_date) LIKE '1987%';
```

first_name	last_name	hire_date
Steven	King	1987-06-17
Neena	Kochhar	1987-06-18
Lex	De Haan	1987-06-19
Alexander	Hunold	1987-06-20
Bruce	ERNST	1987-06-21
David	Austin	1987-06-22
Vali	Pataballa	1987-06-23
Diana	Lorentz	1987-06-24
Nancy	GreenBerg	1987-06-25
Daniel	Faviet	1987-06-26
John	Chen	1987-06-27
Ismael	Sciarra	1987-06-28
Jose Manuel	Urman	1987-06-29
Luis	Popp	1987-06-30
Den	Raphaely	1987-07-01
Alexander	Khoo	1987-07-02
Shelli	Baida	1987-07-03
Sigal	Tobias	1987-07-04
Guy	Himuro	1987-07-05
Karen	Colmenares	1987-07-06
Matthew	Weiss	1987-07-07
Adam	Fripp	1987-07-08
Payam	Kaufling	1987-07-09
Shanta	Vollman	1987-07-10
Kevin	Mourgos	1987-07-11
Julia	Nayer	1987-07-12
Irene	Mikilineni	1987-07-13
James	Landry	1987-07-14
Steven	Markle	1987-07-15
Laura	Bissot	1987-07-16
Mozhe	Atkinson	1987-07-17

James	Marlow	1987-07-18
TJ	Olso	1987-07-19
Jason	Mallin	1987-07-20
Michael	Rogers	1987-07-21
Ki	Gee	1987-07-22
Hazel	Philtanker	1987-07-23
Renske	Ladwig	1987-07-24
Stephen	Stiles	1987-07-25
John	Seo	1987-07-26
Joshua	Patel	1987-07-27
Trenna	Rajs	1987-07-28
Curtis	Davies	1987-07-29
Randall	Matos	1987-07-30
Peter	Vargas	1987-07-31
John	Russell	1987-07-01
Karen	Partners	1987-07-02
Alberto	Errazuriz	1987-07-03
Gerald	Cambraut	1987-07-04
Eleni	Zlotkey	1987-07-05
Peter	Tucker	1987-07-06
David	Bernstein	1987-07-07
Peter	Hall	1987-07-08
Christopher	Olsen	1987-07-09
Nanette	Cambrault	1987-07-10
Oliver	Tuvault	1987-07-11
Janette	King	1987-07-12
Patrick	Sully	1987-07-13
Allan	McEwen	1987-07-14
Lindsey	Smith	1987-07-15
Louise	Doran	1987-07-16
Sarath	Sewall	1987-07-17
Clara	Vishney	1987-07-18
Danielle	Greene	1987-07-19
Mattea	Marvins	1987-07-20
David	Lee	1987-07-21
Sundar	Ande	1987-07-22
Amit	Banda	1987-07-23
Lisa	Ozer	1987-07-24
Harrison	Bloom	1987-07-25
Tayler	Fox	1987-07-26
William	Smith	1987-07-27
Elizabeth	Bates	1987-07-28
Sundita	Kumar	1987-07-29

Ellen	Abel	1987-07-30
Alyssa	hutton	1987-07-31
Jonathon	Taylor	1987-07-01
Jack	Livingston	1987-07-02
Kimberely	Grant	1987-07-03
Charles	Johnson	1987-07-04
Winston	Taylor	1987-07-05
Jean	Fleaur	1987-07-06
Martha	Sullivan	1987-07-07
Girard	Geoni	1987-07-08
Nandita	Sarchand	1987-07-09
Alexis	Bull	1987-07-10
Julia	Delinger	1987-07-11
Anthony	Carbo	1987-07-12
Kelly	Chung	1987-07-13
Jennifer	Dilly	1987-07-14
Timothy	Gates	1987-07-15
Randall	Perkins	1987-07-16
Sarah	Bell	1987-07-17
Britney	Everet	1987-07-18
Samuel	McCain	1987-07-19
Vance	Jones	1987-07-20
Alana	Walsh	1987-07-21
Kevin	Feeney	1987-07-22
Donald	Oconnell	1987-07-23
Douglas	Grant	1987-07-24
Jennifer	Whalen	1987-07-25
Michael	Hartstein	1987-07-26
Pat	Fay	1987-07-27
Susan	Mavris	1987-07-28
Hermann	Baer	1987-07-29
Shelley	Higgins	1987-07-30
William	Gietz	1987-07-01

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

107 rows in set (0.07 sec)

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

Query:

```
mysql> SELECT first_name FROM employees
-> WHERE first_name LIKE '%b%'
-> AND first_name LIKE '%c%';
```

first_name
Bruce

+-----+

1 row in set (0.00 sec)

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

Query:

```
mysql> SELECT last_name,job_id,salary FROM employees
-> WHERE job_id IN('IT_PROG','SH_CLERK') AND salary NOT IN (4500,10000,15000);
```

last_name	job_id	salary
Hunold	IT_PROG	9000.00
ERNST	IT_PROG	6000.00
Austin	IT_PROG	4800.00
Pataballa	IT_PROG	4800.00
Lorentz	IT_PROG	4200.00
Taylor	SH_CLERK	3200.00
Fleaur	SH_CLERK	3100.00
Sullivan	SH_CLERK	2500.00
Geoni	SH_CLERK	2800.00
Sarchand	SH_CLERK	4200.00
Bull	SH_CLERK	4100.00
Delinger	SH_CLERK	3400.00
Carbo	SH_CLERK	3000.00
Chung	SH_CLERK	3800.00
Dilly	SH_CLERK	3600.00
Gates	SH_CLERK	2900.00
Perkins	SH_CLERK	2500.00
Bell	SH_CLERK	4000.00
Everet	SH_CLERK	3900.00
McCain	SH_CLERK	3200.00
Jones	SH_CLERK	2800.00
Walsh	SH_CLERK	3100.00
Feeney	SH_CLERK	3000.00
Oconnell	SH_CLERK	2600.00
Grant	SH_CLERK	2600.00

```
25 rows in set (0.00 sec)
```

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

Sample table: employee

Query:

```
mysql> SELECT last_name FROM employees WHERE last_name LIKE '_____';
+-----+
| last_name |
+-----+
| Hunold    |
| Austin    |
| Faviet    |
| Tobias    |
| Himuro    |
| Landry    |
| Markle    |
| Bissot    |
| Marlow    |
| Mallin    |
| Rogers    |
| Ladwig    |
| Stiles    |
| Davies    |
| Vargas    |
| Tucker    |
| McEwen    |
| Sewall    |
| Greene    |
| hutton    |
| Taylor    |
| Taylor    |
| Fleaur    |
| Everet    |
| McCain    |
| Feeney    |
| Whalen    |
| Mavris    |
+-----+
28 rows in set (0.00 sec)
```

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

Sample table: employees

Query:

```
mysql> SELECT last_name FROM employees WHERE last_name LIKE '__e%';
```

last_name
GreenBerg
Chen
Gee
McEwen
Greene
Lee
Ozer
Abel
Fleaur
Everet
Feeney
Baer
Gietz

```
13 rows in set (0.00 sec)
```

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

Sample table: employees

Query:

```
mysql> SELECT DISTINCT job_id from employees;
```

job_id
AD_PRES
AD_VP
IT_PROG
FI_MGR
FI_ACCOUNT
PU_MAN
PU_CLERK
ST_MAN
ST_CLERK
SA_MAN
SA_REP
SH_CLERK
AD_ASST
MK_MAN
MK_REP
HR_REP
PR_REP
AC_MGR
AC_ACCOUNT

```
19 rows in set (0.04 sec)
```


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

Sample table: employees

Query:

```
mysql> SELECT first_name,last_name,salary,salary*.15 PF FROM employees;
```

first_name	last_name	salary	PF
Steven	King	24000.00	3600
Neena	Kochhar	17000.00	2550
Lex	De Haan	17000.00	2550
Alexander	Hunold	9000.00	1350
Bruce	ERNST	6000.00	900
David	Austin	4800.00	720
Vali	Pataballa	4800.00	720
Diana	Lorentz	4200.00	630
Nancy	GreenBerg	12000.00	1800
Daniel	Faviet	9000.00	1350
John	Chen	8200.00	1230
Ismael	Sciarra	7700.00	1155
Jose Manuel	Urman	7800.00	1170
Luis	Popp	6900.00	1035
Den	Raphaely	11000.00	1650
Alexander	Khoo	31000.00	4650
Shelli	Baida	29000.00	4350
Sigal	Tobias	28000.00	4200
Guy	Himuro	26000.00	3900
Karen	Colmenares	2500.00	375
Matthew	Weiss	8000.00	1200
Adam	Fripp	8200.00	1230
Payam	Kaufling	7900.00	1185
Shanta	Vollman	6500.00	975
Kevin	Mourgos	5800.00	870
Julia	Nayer	3200.00	480
Irene	Mikilineni	2700.00	405
James	Landry	2400.00	360
Steven	Markle	2200.00	330
Laura	Bissot	3300.00	495
Mozhe	Atkinson	2800.00	420
James	Marlow	2500.00	375
TJ	Olso	2100.00	315
Jason	Mallin	3300.00	495
Michael	Rogers	2900.00	435
Ki	Gee	2400.00	360
Hazel	Philtanker	2200.00	330
Renske	Ladwig	3600.00	540

mysql> use command_line_client

Stephen	Stiles	3200.00	480
John	Seo	2700.00	405
Joshua	Patel	2500.00	375
Trenna	Rajs	3500.00	525
Curtis	Davies	3100.00	465
Randall	Matos	2600.00	390
Peter	Vargas	2500.00	375
John	Russell	14000.00	2100
Karen	Partners	13500.00	2025
Alberto	Errazuriz	12000.00	1800
Gerald	Cambraut	11000.00	1650
Eleni	Zlotkey	10500.00	1575
Peter	Tucker	10000.00	1500
David	Bernstein	9500.00	1425
Peter	Hall	90000.00	13500
Christopher	Olsen	8000.00	1200
Nanette	Cambrault	7500.00	1125
Oliver	Tuvault	7000.00	1050
Janette	King	10000.00	1500
Patrick	Sully	9500.00	1425
Allan	McEwen	9000.00	1350
Lindsey	Smith	8000.00	1200
Louise	Doran	7500.00	1125
Sarath	Sewall	7000.00	1050
Clara	Vishney	10500.00	1575
Danielle	Greene	9500.00	1425
Mattea	Marvins	7200.00	1080
David	Lee	6800.00	1020
Sundar	Ande	6400.00	960
Amit	Banda	6200.00	930
Lisa	Ozer	11500.00	1725
Harrison	Bloom	10000.00	1500
Tayler	Fox	9600.00	1440
William	Smith	7400.00	1110
Elizabeth	Bates	7300.00	1095
Sundita	Kumar	6100.00	915
Ellen	Abel	11000.00	1650
Alyssa	hutton	8800.00	1320
Jonathon	Taylor	8600.00	1290
Jack	Livingston	8400.00	1260
Kimberely	Grant	7000.00	1050
Charles	Johnson	6200.00	930
Winston	Taylor	3200.00	480

