

1. Write a query to get unique department ID from employee table.

```
mysql> SELECT DISTINCT DEPARTMENT_ID FROM employees;
```

```
+-----+
| DEPARTMENT_ID |
+-----+
| 0 |
| 10 |
| 20 |
| 30 |
| 40 |
| 50 |
| 60 |
| 70 |
| 80 |
| 90 |
| 100 |
| 110 |
+-----+
```

2. Write a query to get all employee details from the employee table order by first name, descending.

```
mysql> SELECT * FROM employees ORDER BY FIRST_NAME DESC;
```

```
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| EMPLOYEE_ID | FIRST_NAME | LAST_NAME | EMAIL | PHONE_NUMBER | HIRE_DATE | JOB_ID | SALARY | COMMISSION_PCT |
| MANAGER_ID | DEPARTMENT_ID |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 180 | Winston | Taylor | WTAYLOR | 650.507.9876 | 1987-09-05 | SH_CLERK | 3200.00 | 0.00 | 120 | 50 |
| 171 | William | Smith | WSMITH | 011.44.1343.629268 | 1987-08-27 | SA_REP | 7400.00 | 0.15 | 148 | 80 |
| 206 | William | Gietz | WGIEZT | 515.123.8181 | 1987-10-01 | AC_ACCOUNT | 8300.00 | 0.00 | 205 | 110 |
| 195 | Vance | Jones | VJONES | 650.501.4876 | 1987-09-20 | SH_CLERK | 2800.00 | 0.00 | 123 | 50 |
| 106 | Valli | Pataballa | VPATABAL | 590.423.4560 | 1987-06-23 | IT_PROG | 4800.00 | 0.00 | 103 | 60 |
| 141 | Tenna | Rajs | TRAJRS | 650.121.8009 | 1987-07-28 | ST_CLERK | 3500.00 | 0.00 | 124 | 50 |
| 132 | TJ | Olson | TJOLSON | 650.124.8234 | 1987-07-19 | ST_CLERK | 2100.00 | 0.00 | 121 | 50 |
| 190 | Timothy | Gates | TGATES | 650.505.3876 | 1987-09-15 | SH_CLERK | 2900.00 | 0.00 | 122 | 50 |
| 170 | Tayer | Fox | TFOX | 011.44.1343.729268 | 1987-08-26 | SA_REP | 9600.00 | 0.20 | 148 | 80 |
| 203 | Susan | Mavris | SMAVRIS | 515.123.7777 | 1987-09-28 | HR_REP | 6500.00 | 0.00 | 101 | 40 |
| 173 | Sundita | Kumar | SKUMAR | 011.44.1343.329268 | 1987-08-29 | SA_REP | 6100.00 | 0.10 | 148 | 80 |
| 166 | Sundar | Ande | SANDE | 011.44.1346.629268 | 1987-08-22 | SA_REP | 6400.00 | 0.10 | 147 | 80 |
| 100 | Steven | King | SKING | 515.123.4567 | 1987-06-17 | AD_PRES | 24000.00 | 0.00 | 0 | 90 |
| 128 | Steven | Markle | SMARKLE | 650.124.1434 | 1987-07-15 | ST_CLERK | 2200.00 | 0.00 | 120 | 50 |
| 138 | Stephen | Stiles | SSTILES | 650.121.2034 | 1987-07-25 | ST_CLERK | 3200.00 | 0.00 | 123 | 50 |
| 117 | Sigal | Tobias | STOBIA | 515.127.4564 | 1987-07-04 | PU_CLERK | 2800.00 | 0.00 | 114 | 30 |
| 116 | Shelli | Baida | SBAIDA | 515.127.4563 | 1987-07-03 | PU_CLERK | 2900.00 | 0.00 | 114 | 30 |
| 205 | Shelley | Higgins | SHIGGINS | 515.123.8080 | 1987-09-30 | AC_MGR | 12000.00 | 0.00 | 101 | 110 |
| 123 | Shanta | Vollman | SVOLLMAN | 650.123.4234 | 1987-07-10 | ST_MAN | 6500.00 | 0.00 | 100 | 50 |
| 161 | Sarath | Sewall | SSEWALL | 011.44.1345.529268 | 1987-08-17 | SA_REP | 7000.00 | 0.25 | 146 | 80 |
| 192 | Sarah | Bell | SBELL | 650.501.1876 | 1987-09-17 | SH_CLERK | 4000.00 | 0.00 | 123 | 50 |
| 194 | Samuel | McCain | SMCCAIN | 650.501.3876 | 1987-09-19 | SH_CLERK | 3200.00 | 0.00 | 123 | 50 |
| 137 | Renske | Ladwig | RLADWIG | 650.121.1234 | 1987-07-24 | ST_CLERK | 3600.00 | 0.00 | 123 | 50 |
| 143 | Randall | Matos | RMATOS | 650.121.2874 | 1987-07-30 | ST_CLERK | 2600.00 | 0.00 | 124 | 50 |
| 191 | Randall | Perkins | RPERKINS | 650.505.4876 | 1987-09-16 | SH_CLERK | 2500.00 | 0.00 | 122 | 50 |
| 144 | Peter | Vargas | PVARGAS | 650.121.2004 | 1987-07-31 | ST_CLERK | 2500.00 | 0.00 | 124 | 50 |
| 150 | Peter | Tucker | PTUCKER | 011.44.1344.129268 | 1987-08-06 | SA_REP | 10000.00 | 0.30 | 145 | 80 |
| 152 | Peter | Hall | PHALL | 011.44.1344.478968 | 1987-08-08 | SA_REP | 9000.00 | 0.25 | 145 | 80 |
| 122 | Payam | Kaufling | PKAUFLIN | 650.123.3234 | 1987-07-09 | ST_MAN | 7900.00 | 0.00 | 100 | 50 |
| 157 | Patrick | Sully | PSULLY | 011.44.1345.929268 | 1987-08-13 | SA_REP | 9500.00 | 0.35 | 146 | 80 |
| 202 | Pat | Fay | PFAY | 603.123.6666 | 1987-09-27 | MK_REP | 6000.00 | 0.00 | 201 | 20 |
| 155 | Oliver | Tuvault | OTUVAULT | 011.44.1344.486508 | 1987-08-11 | SA_REP | 7000.00 | 0.15 | 145 | 80 |
| 101 | Neena | Kochhar | NKOCHHAR | 515.123.4568 | 1987-06-18 | AD_VP | 17000.00 | 0.00 | 100 | 90 |
| 154 | Nanette | Cambrault | NCAMBRAU | 011.44.1344.987668 | 1987-08-10 | SA_REP | 7500.00 | 0.20 | 145 | 80 |
| 184 | Nandita | Sarchand | NSARCHAN | 650.509.1876 | 1987-09-09 | SH_CLERK | 4200.00 | 0.00 | 121 | 50 |
| 108 | Nancy | Greenberg | NGREENBE | 515.124.4569 | 1987-06-25 | FI_MGR | 12000.00 | 0.00 | 101 | 100 |
| 130 | Mozhe | Atkinson | MATKINSO | 650.124.6234 | 1987-07-17 | ST_CLERK | 2800.00 | 0.00 | 121 | 50 |
```

134	Michael	Rogers	MROGERS	650.127.1834	1987-07-21	ST_CLERK	2900.00	0.00	122	50
201	Michael	Hartstein	MHARTSTE	515.123.5555	1987-09-26	MK_MAN	13000.00	0.00	100	20
120	Matthew	Weiss	MWEISS	650.123.1234	1987-07-07	ST_MAN	8000.00	0.00	100	50
164	Mattea	Marvins	MMARVINS	011.44.1346.329268	1987-08-20	SA_REP	7200.00	0.10	147	80
182	Martha	Sullivan	MSULLIVA	650.507.9878	1987-09-07	SH_CLERK	2500.00	0.00	120	50
113	Luis	Popp	LPOPP	515.124.4567	1987-06-30	FL_ACCOUNT	6900.00	0.00	108	100
160	Louise	Doran	LDORAN	011.44.1345.629268	1987-08-16	SA_REP	7500.00	0.30	146	80
168	Lisa	Ozer	LOZER	011.44.1343.929268	1987-08-24	SA_REP	11500.00	0.25	148	80
159	Lindsey	Smith	LSMITH	011.44.1345.729268	1987-08-15	SA_REP	8000.00	0.30	146	80
102	Lex	De Haan	LDEHAAN	515.123.4569	1987-06-19	AD_VP	17000.00	0.00	100	90
129	Laura	Bissot	LBISOT	650.124.5234	1987-07-16	ST_CLERK	3300.00	0.00	121	50
178	Kimberely	Grant	KGRANT	011.44.1644.429263	1987-09-03	SA_REP	7000.00	0.15	149	0
135	Ki	Gee	KGEE	650.127.1734	1987-07-22	ST_CLERK	2400.00	0.00	122	50
124	Kevin	Mourgos	KMOURGOS	650.123.5234	1987-07-11	ST_MAN	5800.00	0.00	100	50
197	Kevin	Feeney	KFEENEY	650.507.9822	1987-09-22	SH_CLERK	3000.00	0.00	124	50
188	Kelly	Chung	KCHUNG	650.505.1876	1987-09-13	SH_CLERK	3800.00	0.00	122	50
119	Karen	Colmenares	KCOLMENA	515.127.4566	1987-07-06	PU_CLERK	2500.00	0.00	114	30
146	Karen	Partners	KPARTNER	011.44.1344.467268	1987-08-02	SA_MAN	13500.00	0.30	100	80
125	Julia	Nayer	JNAYER	650.124.1214	1987-07-12	ST_CLERK	3200.00	0.00	120	50
186	Julia	Dellinger	JDELLING	650.509.3876	1987-09-11	SH_CLERK	3400.00	0.00	121	50
140	Joshua	Patel	JPATEL	650.121.1834	1987-07-27	ST_CLERK	2500.00	0.00	123	50
112	Jose Manuel	Urman	JMURMAN	515.124.4469	1987-06-29	FL_ACCOUNT	7800.00	0.00	108	100
176	Jonathon	Taylor	JTAYLOR	011.44.1644.429265	1987-09-01	SA_REP	8600.00	0.20	149	80
110	John	Chen	JCHEN	515.124.4269	1987-06-27	FL_ACCOUNT	8200.00	0.00	108	100
139	John	Seo	JSEO	650.121.2019	1987-07-26	ST_CLERK	2700.00	0.00	123	50
145	John	Russell	JRUSSEL	011.44.1344.429268	1987-08-01	SA_MAN	14000.00	0.40	100	80
189	Jennifer	Dilly	JDILLY	650.505.2876	1987-09-14	SH_CLERK	3600.00	0.00	122	50
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-25	AD_ASST	4400.00	0.00	101	10
181	Jean	Fleaur	JFLEAUR	650.507.9877	1987-09-06	SH_CLERK	3100.00	0.00	120	50
133	Jason	Mallin	JMALLIN	650.127.1934	1987-07-20	ST_CLERK	3300.00	0.00	122	50
156	Janette	King	JKING	011.44.1345.429268	1987-08-12	SA_REP	10000.00	0.35	146	80
127	James	Landry	JLANDRY	650.124.1334	1987-07-14	ST_CLERK	2400.00	0.00	120	50
131	James	Marlow	JAMRLOW	650.124.7234	1987-07-18	ST_CLERK	2500.00	0.00	121	50
177	Jack	Livingston	JLIVINGS	011.44.1644.429264	1987-09-02	SA_REP	8400.00	0.20	149	80
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FL_ACCOUNT	7700.00	0.00	108	100
126	Irene	Mikkilineni	IMIKKILI	650.124.1224	1987-07-13	ST_CLERK	2700.00	0.00	120	50
204	Hermann	Baer	HBAER	515.123.8888	1987-09-29	PR_REP	10000.00	0.00	101	70
136	Hazel	Philtanker	HPHILTAN	650.127.1634	1987-07-23	ST_CLERK	2200.00	0.00	122	50
169	Harrison	Bloom	HBLOOM	011.44.1343.829268	1987-08-25	SA_REP	10000.00	0.20	148	80
118	Guy	Himuro	GHIMURO	515.127.4565	1987-07-05	PU_CLERK	2600.00	0.00	114	30
183	Girard	Geoni	GGEONI	650.507.9879	1987-09-08	SH_CLERK	2800.00	0.00	120	50
148	Gerald	Cambrault	GCAMBRAU	011.44.1344.619268	1987-08-04	SA_MAN	11000.00	0.30	100	80
174	Ellen	Abel	EABEL	011.44.1644.429267	1987-08-30	SA_REP	11000.00	0.30	149	80
172	Elizabeth	Bates	EBATES	011.44.1343.529268	1987-08-28	SA_REP	7300.00	0.15	148	80
149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	1987-08-05	SA_MAN	10500.00	0.20	100	80
199	Douglas	Grant	DGRANT	650.507.9844	1987-09-24	SH_CLERK	2600.00	0.00	124	50
198	Donald	OConnell	DOCONNEL	650.507.9833	1987-09-23	SH_CLERK	2600.00	0.00	124	50
107	Diana	Lorentz	DLORENTZ	590.423.5567	1987-06-24	IT_PROG	4200.00	0.00	103	60
114	Den	Raphaely	DRAPHEAL	515.127.4561	1987-07-01	PU_MAN	11000.00	0.00	100	30
105	David	Austin	DAUSTIN	590.423.4569	1987-06-22	IT_PROG	4800.00	0.00	103	60
151	David	Bernstein	DBERNSTE	011.44.1344.345268	1987-08-07	SA_REP	9500.00	0.25	145	80
165	David	Lee	DLEE	011.44.1346.529268	1987-08-21	SA_REP	6800.00	0.10	147	80
163	Danielle	Greene	DGREENE	011.44.1346.229268	1987-08-19	SA_REP	9500.00	0.15	147	80
109	Daniel	Faviet	DFAVIET	515.124.4169	1987-06-26	FL_ACCOUNT	9000.00	0.00	108	100
142	Curtis	Davies	CDAVIES	650.121.2994	1987-07-29	ST_CLERK	3100.00	0.00	124	50
162	Clara	Vishney	CVISHNEY	011.44.1346.129268	1987-08-18	SA_REP	10500.00	0.25	147	80
153	Christopher	Olsen	COLSEN	011.44.1344.498718	1987-08-09	SA_REP	8000.00	0.20	145	80
179	Charles	Johnson	CJOHNSON	011.44.1644.429262	1987-09-04	SA_REP	6200.00	0.10	149	80
104	Bruce	Ernst	BERNST	590.423.4568	1987-06-21	IT_PROG	6000.00	0.00	103	60
193	Britney	Everett	BEVERETT	650.501.2876	1987-09-18	SH_CLERK	3900.00	0.00	123	50
187	Anthony	Cabrio	ACABRIO	650.509.4876	1987-09-12	SH_CLERK	3000.00	0.00	121	50
167	Amit	Banda	ABANDA	011.44.1346.729268	1987-08-23	SA_REP	6200.00	0.10	147	80
175	Alyssa	Hutton	AHUTTON	011.44.1644.429266	1987-08-31	SA_REP	8800.00	0.25	149	80
158	Allan	McEwen	AMCEWEN	011.44.1345.829268	1987-08-14	SA_REP	9000.00	0.35	146	80
185	Alexis	Bull	ABULL	650.509.2876	1987-09-10	SH_CLERK	4100.00	0.00	121	50
103	Alexander	Hunold	AHUNOLD	590.423.4567	1987-06-20	IT_PROG	9000.00	0.00	102	60
115	Alexander	Khoo	AKHOO	515.127.4562	1987-07-02	PU_CLERK	3100.00	0.00	114	30
147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	1987-08-03	SA_MAN	12000.00	0.30	100	80
196	Alana	Walsh	AWALSH	650.507.9811	1987-09-21	SH_CLERK	3100.00	0.00	124	50
121	Adam	Fripp	AFRIPP	650.123.2234	1987-07-08	ST_MAN	8200.00	0.00	100	50

3. Write a query to get the employee ID, names (first_name, last_name), salary in ascending order of salary.

```
mysql> select EMPLOYEE_ID,CONCAT(FIRST_NAME," ",LAST_NAME),SALARY FROM employees ORDER BY SALARY;
```

EMPLOYEE_ID	CONCAT(FIRST_NAME," ",LAST_NAME)	SALARY
132	TJ Olson	2100.00
128	Steven Markle	2200.00
136	Hazel Philtanker	2200.00
127	James Landry	2400.00
135	Ki Gee	2400.00
119	Karen Colmenares	2500.00
131	James Marlow	2500.00
140	Joshua Patel	2500.00
144	Peter Vargas	2500.00
182	Martha Sullivan	2500.00
191	Randall Perkins	2500.00
118	Guy Himuro	2600.00
143	Randall Matos	2600.00
198	Donald OConnell	2600.00
199	Douglas Grant	2600.00
126	Irene Mikkilineni	2700.00
139	John Seo	2700.00
117	Sigal Tobias	2800.00
130	Mozhe Atkinson	2800.00
183	Girard Geoni	2800.00
195	Vance Jones	2800.00
116	Shelli Baida	2900.00
134	Michael Rogers	2900.00
190	Timothy Gates	2900.00
187	Anthony Cabrio	3000.00
197	Kevin Feeney	3000.00
115	Alexander Khoo	3100.00
142	Curtis Davies	3100.00
181	Jean Fleaur	3100.00
196	Alana Walsh	3100.00
125	Julia Nayer	3200.00
138	Stephen Stiles	3200.00
180	Winston Taylor	3200.00
194	Samuel McCain	3200.00
129	Laura Bissot	3300.00
133	Jason Mallin	3300.00
186	Julia Dellinger	3400.00
141	Trenna Rajs	3500.00
137	Renske Ladwig	3600.00
189	Jennifer Dilly	3600.00
188	Kelly Chung	3800.00
193	Britney Everett	3900.00
192	Sarah Bell	4000.00
185	Alexis Bull	4100.00
107	Diana Lorentz	4200.00
184	Nandita Sarchand	4200.00
200	Jennifer Whalen	4400.00
105	David Austin	4800.00
106	Valli Pataballa	4800.00
124	Kevin Mourgous	5800.00
104	Bruce Ernst	6000.00
202	Pat Fay	6000.00
173	Sundita Kumar	6100.00
167	Amit Banda	6200.00
179	Charles Johnson	6200.00

166	Sundar Ande	6400.00
123	Shanta Vollman	6500.00
203	Susan Mavris	6500.00
165	David Lee	6800.00
113	Luis Popp	6900.00
155	Oliver Tuvault	7000.00
161	Sarath Sewall	7000.00
178	Kimberely Grant	7000.00
164	Mattea Marvins	7200.00
172	Elizabeth Bates	7300.00
171	William Smith	7400.00
154	Nanette Cambrault	7500.00
160	Louise Doran	7500.00
111	Ismael Sciarra	7700.00
112	Jose Manuel Urman	7800.00
122	Payam Kaufling	7900.00
120	Matthew Weiss	8000.00
153	Christopher Olsen	8000.00
159	Lindsey Smith	8000.00
110	John Chen	8200.00
121	Adam Fripp	8200.00
206	William Gietz	8300.00
177	Jack Livingston	8400.00
176	Jonathon Taylor	8600.00
175	Alyssa Hutton	8800.00
103	Alexander Hunold	9000.00
109	Daniel Faviat	9000.00
152	Peter Hall	9000.00
158	Allan McEwen	9000.00
151	David Bernstein	9500.00
157	Patrick Sully	9500.00
163	Danielle Greene	9500.00
170	Taylor Fox	9600.00
150	Peter Tucker	10000.00
156	Janette King	10000.00
169	Harrison Bloom	10000.00
204	Hermann Baer	10000.00
149	Eleni Zlotkey	10500.00
162	Clara Vishney	10500.00
114	Den Raphaely	11000.00
148	Gerald Cambrault	11000.00
174	Ellen Abel	11000.00
168	Lisa Ozer	11500.00
108	Nancy Greenberg	12000.00
147	Alberto Errazuriz	12000.00
205	Shelley Higgins	12000.00
201	Michael Hartstein	13000.00
146	Karen Partners	13500.00
145	John Russell	14000.00
101	Neena Kochhar	17000.00
102	Lex De Haan	17000.00
100	Steven King	24000.00

4. Display first name and join date of the employees who is either IT Programmer or Sales Man.

```
mysql> SELECT FIRST_NAME, HIRE_DATE FROM employees WHERE JOB_ID IN('IT_PROG','SA_MAN');
```

FIRST_NAME	HIRE_DATE
Alexander	1987-06-20
Bruce	1987-06-21
David	1987-06-22
Valli	1987-06-23
Diana	1987-06-24
John	1987-08-01
Karen	1987-08-02
Alberto	1987-08-03

Gerald	1987-08-04
Eleni	1987-08-05

5. Display details of employee with ID 150 or 160.

```
mysql> SELECT * FROM EMPLOYEES WHERE EMPLOYEE_ID IN(150,160);
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
150	Peter	Tucker	PTUCKER	011.44.1344.129268	1987-08-06	SA_REP	10000.00	0.30	145	80
160	Louise	Doran	LDORAN	011.44.1345.629268	1987-08-16	SA_REP	7500.00	0.30	146	80

6. Display first name, salary, commission pct, and hire date for employees with salary less than 10000.

```
mysql> SELECT FIRST_NAME,SALARY,COMMISSION_PCT,HIRE_DATE FROM employees WHERE SALARY<10000;
```

FIRST_NAME	SALARY	COMMISSION_PCT	HIRE_DATE
Alexander	9000.00	0.00	1987-06-20
Bruce	6000.00	0.00	1987-06-21
David	4800.00	0.00	1987-06-22
Valli	4800.00	0.00	1987-06-23
Diana	4200.00	0.00	1987-06-24
Daniel	9000.00	0.00	1987-06-26
John	8200.00	0.00	1987-06-27
Ismael	7700.00	0.00	1987-06-28
Jose Manuel	7800.00	0.00	1987-06-29
Luis	6900.00	0.00	1987-06-30
Alexander	3100.00	0.00	1987-07-02
Shelli	2900.00	0.00	1987-07-03
Sigal	2800.00	0.00	1987-07-04
Guy	2600.00	0.00	1987-07-05
Karen	2500.00	0.00	1987-07-06
Matthew	8000.00	0.00	1987-07-07
Adam	8200.00	0.00	1987-07-08
Payam	7900.00	0.00	1987-07-09
Shanta	6500.00	0.00	1987-07-10
Kevin	5800.00	0.00	1987-07-11
Julia	3200.00	0.00	1987-07-12
Irene	2700.00	0.00	1987-07-13
James	2400.00	0.00	1987-07-14
Steven	2200.00	0.00	1987-07-15
Laura	3300.00	0.00	1987-07-16
Mozhe	2800.00	0.00	1987-07-17
James	2500.00	0.00	1987-07-18
TJ	2100.00	0.00	1987-07-19
Jason	3300.00	0.00	1987-07-20
Michael	2900.00	0.00	1987-07-21
Ki	2400.00	0.00	1987-07-22
Hazel	2200.00	0.00	1987-07-23
Renske	3600.00	0.00	1987-07-24
Stephen	3200.00	0.00	1987-07-25
John	2700.00	0.00	1987-07-26
Joshua	2500.00	0.00	1987-07-27
Trenna	3500.00	0.00	1987-07-28
Curtis	3100.00	0.00	1987-07-29
Randall	2600.00	0.00	1987-07-30
Peter	2500.00	0.00	1987-07-31
David	9500.00	0.25	1987-08-07

Peter	9000.00	0.25	1987-08-08
Christopher	8000.00	0.20	1987-08-09
Nanette	7500.00	0.20	1987-08-10
Oliver	7000.00	0.15	1987-08-11
Patrick	9500.00	0.35	1987-08-13
Allan	9000.00	0.35	1987-08-14
Lindsey	8000.00	0.30	1987-08-15
Louise	7500.00	0.30	1987-08-16
Sarath	7000.00	0.25	1987-08-17
Danielle	9500.00	0.15	1987-08-19
Mattea	7200.00	0.10	1987-08-20
David	6800.00	0.10	1987-08-21
Sundar	6400.00	0.10	1987-08-22
Amit	6200.00	0.10	1987-08-23
Taylor	9600.00	0.20	1987-08-26
William	7400.00	0.15	1987-08-27
Elizabeth	7300.00	0.15	1987-08-28
Sundita	6100.00	0.10	1987-08-29
Alyssa	8800.00	0.25	1987-08-31
Jonathon	8600.00	0.20	1987-09-01
Jack	8400.00	0.20	1987-09-02
Kimberely	7000.00	0.15	1987-09-03
Charles	6200.00	0.10	1987-09-04
Winston	3200.00	0.00	1987-09-05
Jean	3100.00	0.00	1987-09-06
Martha	2500.00	0.00	1987-09-07
Girard	2800.00	0.00	1987-09-08
Nandita	4200.00	0.00	1987-09-09
Alexis	4100.00	0.00	1987-09-10
Julia	3400.00	0.00	1987-09-11
Anthony	3000.00	0.00	1987-09-12
Kelly	3800.00	0.00	1987-09-13
Jennifer	3600.00	0.00	1987-09-14
Timothy	2900.00	0.00	1987-09-15
Randall	2500.00	0.00	1987-09-16
Sarah	4000.00	0.00	1987-09-17
Britney	3900.00	0.00	1987-09-18
Samuel	3200.00	0.00	1987-09-19
Vance	2800.00	0.00	1987-09-20
Alana	3100.00	0.00	1987-09-21
Kevin	3000.00	0.00	1987-09-22
Donald	2600.00	0.00	1987-09-23
Douglas	2600.00	0.00	1987-09-24
Jennifer	4400.00	0.00	1987-09-25
Pat	6000.00	0.00	1987-09-27
Susan	6500.00	0.00	1987-09-28
William	8300.00	0.00	1987-10-01

7. Display employees where the first name or last name starts with S.

```
mysql> SELECT * FROM employees WHERE FIRST_NAME like '%S' OR LAST_NAME like '%S';
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
113	Luis	Popp	LPOPP	515.124.4567	1987-06-30	FI_ACCOUNT	6900.00	0.00	108	100
117	Sigal	Tobias	STOBIAS	515.127.4564	1987-07-04	PU_CLERK	2800.00	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
124	Kevin	Mourgos	KMOURGOS	650.123.5234	1987-07-11	ST_MAN	5800.00	0.00	100	50
127	James	Landry	JLANDRY	650.124.1334	1987-07-14	ST_CLERK	2400.00	0.00	120	50
131	James	Marlow	JAMRLOW	650.124.7234	1987-07-18	ST_CLERK	2500.00	0.00	121	50
134	Michael	Rogers	MROGERS	650.127.1834	1987-07-21	ST_CLERK	2900.00	0.00	122	50
138	Stephen	Stiles	SSTILES	650.121.2034	1987-07-25	ST_CLERK	3200.00	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
146	Karen	Partners	KPARTNER	011.44.1344.467268	1987-08-02	SA_MAN	13500.00	0.30	100	80
164	Mattea	Marvins	MMARVINS	011.44.1346.329268	1987-08-20	SA_REP	7200.00	0.10	147	80
172	Elizabeth	Bates	EBATES	011.44.1343.529268	1987-08-28	SA_REP	7300.00	0.15	148	80
179	Charles	Johnson	CJOHNSON	011.44.1644.429262	1987-09-04	SA_REP	6200.00	0.10	149	80
185	Alexis	Bull	ABULL	650.509.2876	1987-09-10	SH_CLERK	4100.00	0.00	121	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
195	Vance	Jones	VJONES	650.501.4876	1987-09-20	SH_CLERK	2800.00	0.00	123	50
199	Douglas	Grant	DGRANT	650.507.9844	1987-09-24	SH_CLERK	2600.00	0.00	124	50
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

8. Display details of jobs in the descending order of the title.

mysql> SELECT * FROM employees ORDER BY JOB_ID DESC;

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
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
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

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	OTUVVAULT	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	Taylor	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
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
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
204	Hermann	Baer	HBAER	515.123.8888	1987-09-29	PR_REP	10000.00	0.00	101	70
202	Pat	Fay	PFAY	603.123.6666	1987-09-27	MK_REP	6000.00	0.00	201	20
201	Michael	Hartstein	MHARTSTE	515.123.5555	1987-09-26	MK_MAN	13000.00	0.00	100	20
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
203	Susan	Mavris	SMAVRIS	515.123.7777	1987-09-28	HR_REP	6500.00	0.00	101	40
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
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
100	Steven	King	SKING	515.123.4567	1987-06-17	AD_PRES	24000.00	0.00	0	90
200	Jennifer	Whalen	JWHALEN	515.123.4444	1987-09-25	AD_ASST	4400.00	0.00	101	10
205	Shelley	Higgins	SHIGGINS	515.123.8080	1987-09-30	AC_MGR	12000.00	0.00	101	110
206	William	Gietz	WGIEZT	515.123.8181	1987-10-01	AC_ACCOUNT	8300.00	0.00	205	110

107 rows in set (0.00 sec)

9. Display details of the employees where commission percentage is null and salary in the range 5000 to 10000 and department is 30.

```
mysql> SELECT * FROM employees WHERE (COMMISSION_PCT = 'NULL') AND (SALARY BETWEEN 5000
AND 10000) AND (DEPARTMENT_ID=30);
Empty set, 1 warning (0.00 sec)
```

10. Display employees first_name,email who are working in "Executive" department.

```
mysql> SELECT FIRST_NAME, EMAIL from employees WHERE DEPARTMENT_ID=90;
```

```
+-----+-----+
| FIRST_NAME | EMAIL |
+-----+-----+
| Steven    | SKING |
| Neena     | NKOCHHAR |
| Lex       | LDEHAAN |
+-----+-----+
```

11. Display unique contry_id from locations table.

```
mysql> SELECT DISTINCT COUNTRY_ID FROM locations;
```

```
+-----+
| COUNTRY_ID |
+-----+
| "          |
| AU         |
| BR         |
| CA         |
| CH         |
| CN         |
| DE         |
| IN         |
| IT         |
| JP         |
| NL         |
| Ox         |
| SG         |
| UK         |
| US         |
+-----+
```

12. Display all employees whose have job_id IT_PROG and FI_ACCOUNT.

```
mysql> SELECT * FROM employees WHERE JOB_ID ='FI_ACCOUNT' AND JOB_ID ='IT_PROG';
Empty set (0.00 sec)
```

13. Display all countries in ascending order.

```
mysql> SELECT * FROM countries ORDER BY COUNTRY_NAME;
```

COUNTRY_ID	COUNTRY_NAME	REGION_ID
AR	Argentina	2
AU	Australia	3
BE	Belgium	1
BR	Brazil	2
CA	Canada	2
CN	China	3
DK	Denmark	1
EG	Egypt	4
FR	France	1
DE	Germany	1
HK	HongKong	3
IN	India	3
IL	Israel	4
IT	Italy	1
JP	Japan	3
KW	Kuwait	4
MX	Mexico	2
NL	Netherlands	1
NG	Nigeria	4
SG	Singapore	3
CH	Switzerland	1
UK	United Kingdom	1
US	United States of America	2
ZM	Zambia	4
ZW	Zimbabwe	4