

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

```
KD2_Abhishek_96835>select distinct DEPARTMENT_ID from employees;
+-----+
| DEPARTMENT_ID |
+-----+
|              |
|          NULL |
|              |
|             10 |
|              |
|             20 |
|              |
|             30 |
|              |
|             40 |
|              |
|             50 |
|              |
|             60 |
|              |
|             70 |
|              |
|             80 |
|              |
|             90 |
|              |
|            100 |
|              |
|            110 |
+-----+
12 rows in set (0.00 sec)
```

2. Write a query to get all the employee's details from the employees table displaying the first names in descending order.

```
KD2_Abhishek_96835>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 | 1.650.555.0145 | 2016-01-24 | SH_CLERK | 3200.00 | NULL | 120 | 50 |
| 171 | William | Smith | WSMITH | 44.1632.960026 | 2017-02-23 | SA_REP | 7400.00 | 0.15 | 148 | 80 |
| 206 | William | Gietz | WGIEZT | 1.515.555.0171 | 2012-06-07 | AC_ACCOUNT | 8300.00 | NULL | 205 | 110 |
| 195 | Vance | Jones | VJONES | 1.650.555.0160 | 2017-03-17 | SH_CLERK | 2800.00 | NULL | 123 | 50 |
| 106 | Valli | Jackson | VJACKSON | 1.590.555.0106 | 2016-02-05 | IT_PROG | 4800.00 | NULL | 103 | 60 |
| 141 | Tenna | Raj | TRAJ | 1.650.555.0141 | 2013-10-17 | ST_CLERK | 3500.00 | NULL | 124 | 50 |
| 132 | TJ | Olson | TJOOLSON | 1.650.555.0132 | 2017-04-10 | ST_CLERK | 2100.00 | NULL | 121 | 50 |
| 190 | Timothy | Venzl | TVENZL | 1.650.555.0155 | 2016-07-11 | SH_CLERK | 2900.00 | NULL | 122 | 50 |
| 175 | Alyssa | Hutton | AHUTTON | 44.1632.960030 | 2015-03-19 | SA_REP | 8800.00 | 0.25 | 149 | 80 |
| 158 | Allan | McEwen | AMCEWEN | 44.1632.960013 | 2014-08-01 | SA_REP | 9000.00 | 0.35 | 146 | 80 |
| 185 | Alexis | Bull | ABULL | 1.650.555.0150 | 2015-02-20 | SH_CLERK | 4100.00 | NULL | 121 | 50 |
| 103 | Alexander | James | AJAMES | 1.590.555.0103 | 2016-01-03 | IT_PROG | 9000.00 | NULL | 102 | 60 |
| 115 | Alexander | Khoo | AKHOO | 1.515.555.0115 | 2013-05-18 | PU_CLERK | 3100.00 | NULL | 114 | 30 |
| 147 | Alberto | Errazuriz | AERRAZUR | 44.1632.960002 | 2015-03-10 | SA_MAN | 12000.00 | 0.30 | 100 | 80 |
| 196 | Alana | Walsh | AWALSH | 1.650.555.0161 | 2016-04-24 | SH_CLERK | 3100.00 | NULL | 124 | 50 |
| 121 | Adam | Fripp | AFRIPP | 1.650.555.0121 | 2015-04-10 | ST_MAN | 8200.00 | NULL | 100 | 50 |
107 rows in set (0.00 sec)
```

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

```
KD2_Abhishek_96835>select EMPLOYEE_ID,concat(FIRST_NAME,' ',LAST_NAME) as names,SALARY from employees order by salary;
+-----+-----+-----+
| EMPLOYEE_ID | names | 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 |
+-----+-----+-----+
```

205	Shelley Higgins	12008.00
201	Michael Martinez	13000.00
146	Karen Partners	13500.00
145	John Singh	14000.00
101	Neena Yang	17000.00
102	Lex Garcia	17000.00
100	Steven King	24000.00

107 rows in set (0.01 sec)

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

```
KD2_Abhishek_96835>select FIRST_NAME,HIRE_DATE as Joining_Date,JOB_ID from employees where JOB_ID='IT_PROG' or JOB_ID='SA_MAN';
```

FIRST_NAME	Joining_Date	JOB_ID
Alexander	2016-01-03	IT_PROG
Bruce	2017-05-21	IT_PROG
David	2015-06-25	IT_PROG
Valli	2016-02-05	IT_PROG
Diana	2017-02-07	IT_PROG
John	2014-10-01	SA_MAN
Karen	2015-01-05	SA_MAN
Alberto	2015-03-10	SA_MAN
Gerald	2017-10-15	SA_MAN
Eleni	2018-01-29	SA_MAN

10 rows in set (0.01 sec)

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

```
KD2_Abhishek_96835>select * from employees where EMPLOYEE_ID=150 or EMPLOYEE_ID=160;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
150	Sean	Tucker	STUCKER	44.1632.960005	2015-01-30	SA_REP	10000.00	0.30	145	80
160	Louise	Doran	LDORAN	44.1632.960015	2015-12-15	SA_REP	7500.00	0.30	146	80

2 rows in set (0.01 sec)

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

```
KD2_Abhishek_96835>select FIRST_NAME,SALARY,COMMISSION_PCT,HIRE_DATE from employees where salary<10000;
```

FIRST_NAME	SALARY	COMMISSION_PCT	HIRE_DATE
Alexander	9000.00	NULL	2016-01-03
Bruce	6000.00	NULL	2017-05-21
David	4800.00	NULL	2015-06-25
Valli	4800.00	NULL	2016-02-05
Diana	4200.00	NULL	2017-02-07
Daniel	9000.00	NULL	2012-08-16
John	8200.00	NULL	2015-09-28
Ismael	7700.00	NULL	2015-09-30

Alana	3100.00	NULL	2016-04-24
Kevin	3000.00	NULL	2016-05-23
Donald	2600.00	NULL	2017-06-21
Douglas	2600.00	NULL	2018-01-13
Jennifer	4400.00	NULL	2013-09-17
Pat	6000.00	NULL	2015-08-17
Susan	6500.00	NULL	2012-06-07
William	8300.00	NULL	2012-06-07

88 rows in set (0.01 sec)

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

```
KD2_Abhishek_96835>select first_name,last_name from employees where FIRST_NAME LIKE 'S%' or LAST_NAME LIKE 'S%';
```

first_name	last_name
Sundar	Ande
Shelli	Baida
Sarah	Bell
Shelley	Higgins
Susan	Jacobs
Steven	King
Sundita	Kumar
Steven	Markle
Samuel	McLeod
Nandita	Sarchand
Ismael	Sciarra
John	Seo
Sarath	Sewall
John	Singh
Lindsey	Smith
William	Smith
Stephen	Stiles
Martha	Sullivan
Patrick	Sully
Sigal	Tobias
Sean	Tucker
Shanta	Vollman

22 rows in set (0.00 sec)

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

```
KD2_Abhishek_96835>select * from jobs order by JOB_TITLE desc;
```

JOB_ID	JOB_TITLE	MIN_SALARY	MAX_SALARY
ST_MAN	Stock Manager	5500	8500
ST_CLERK	Stock Clerk	2008	5000
SH_CLERK	Shipping Clerk	2500	5500
SA_REP	Sales Representative	6000	12008
SA_MAN	Sales Manager	10000	20080
PU_MAN	Purchasing Manager	8000	15000
PU_CLERK	Purchasing Clerk	2500	5500
PR_REP	Public Relations Representative	4500	10500
AC_ACCOUNT	Public Accountant	4200	9000
IT_PROG	Programmer	4000	10000
AD PRES	President	20080	40000
MK_REP	Marketing Representative	4000	9000
MK_MAN	Marketing Manager	9000	15000
HR_REP	Human Resources Representative	4000	9000
FI_MGR	Finance Manager	8200	16000
AD_VP	Administration Vice President	15000	30000
AD_ASST	Administration Assistant	3000	6000
AC_MGR	Accounting Manager	8200	16000
FI_ACCOUNT	Accountant	4200	9000

19 rows in set (0.01 sec)

9. Display the details of the employees from department 30, earning the salary greater 10000 but do not receive the commission.

```
KD2_Abhishek_96835>select * from employees where DEPARTMENT_ID=30 AND SALARY>10000 AND COMMISSION_PCT is null;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
114	Den	Li	DLI	1.515.555.0114	2012-12-07	PU_MAN	11000.00	NULL	100	30

1 row in set (0.00 sec)

10. Display the details of employees reporting to the managers with employee id 100 and 120.

```
KD2_Abhishek_96835>select * from employees where MANAGER_ID=100 OR MANAGER_ID=120;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
101	Neena	Yang	NYANG	1.515.555.0101	2015-09-21	AD_VP	17000.00	NULL	100	90
102	Lex	Garcia	LGARCIA	1.515.555.0102	2011-01-13	AD_VP	17000.00	NULL	100	90
114	Den	Li	DLI	1.515.555.0114	2012-12-07	PU_MAN	11000.00	NULL	100	30
120	Matthew	Weiss	MWEISS	1.650.555.0120	2014-07-18	ST_MAN	8000.00	NULL	100	50
121	Adam	Fripp	AFRIPP	1.650.555.0121	2015-04-10	ST_MAN	8200.00	NULL	100	50
122	Payam	Kaufling	PKAUFLIN	1.650.555.0122	2013-05-01	ST_MAN	7900.00	NULL	100	50
123	Shanta	Vollman	SVOLLMAN	1.650.555.0123	2015-10-10	ST_MAN	6500.00	NULL	100	50
124	Kevin	Mourgos	KMOURGOS	1.650.555.0124	2017-11-16	ST_MAN	5800.00	NULL	100	50
145	John	Singh	JSINGH	44.1632.960000	2014-10-01	SA_MAN	14000.00	0.40	100	80
146	Karen	Partners	KPARTNER	44.1632.960001	2015-01-05	SA_MAN	13500.00	0.30	100	80
147	Alberto	Errazuriz	AERRAZUR	44.1632.960002	2015-03-10	SA_MAN	12000.00	0.30	100	80
148	Gerald	Cambraut	GCAMBRAU	44.1632.960003	2017-10-15	SA_MAN	11000.00	0.30	100	80
149	Eleni	Zlotkey	EZLOTKEY	44.1632.960004	2018-01-29	SA_MAN	10500.00	0.20	100	80
201	Michael	Martinez	MMARTINE	1.515.555.0166	2014-02-17	MK_MAN	13000.00	NULL	100	20
125	Julia	Mayer	JMAYER	1.650.555.0125	2015-07-16	ST_CLERK	3200.00	NULL	120	50
126	Irene	Mikkilineni	IMIKKILI	1.650.555.0126	2016-09-28	ST_CLERK	2700.00	NULL	120	50
127	James	Landry	JLANDRY	1.650.555.0127	2017-01-14	ST_CLERK	2400.00	NULL	120	50
128	Steven	Markle	SMARKLE	1.650.555.0128	2018-03-08	ST_CLERK	2200.00	NULL	120	50
180	Winston	Taylor	WTAYLOR	1.650.555.0145	2016-01-24	SH_CLERK	3200.00	NULL	120	50
181	Jean	Fleaur	JFLEAUR	1.650.555.0146	2016-02-23	SH_CLERK	3100.00	NULL	120	50
182	Martha	Sullivan	MSULLIVA	1.650.555.0147	2017-06-21	SH_CLERK	2500.00	NULL	120	50
183	Girard	Geoni	GGEONI	1.650.555.0148	2018-02-03	SH_CLERK	2800.00	NULL	120	50

22 rows in set (0.00 sec)

11. Display the unique country_id from locations table.

```
KD2_Abhishek_96835>select distinct COUNTRY_ID from locations;
```

COUNTRY_ID
AU
BR
CA
CH
CN
DE
GB
IN
IT
JP
MX
NL
SG
US

14 rows in set (0.04 sec)

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

```
KD2_Abhishek_96835>select * from employees where JOB_ID='IT_PROG' or JOB_ID='FI_ACCOUNT';
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
109	Daniel	Faviet	DFAVIET	1.515.555.0109	2012-08-16	FI_ACCOUNT	9800.00	NULL	108	100
110	John	Chen	JCHEN	1.515.555.0110	2015-09-28	FI_ACCOUNT	8200.00	NULL	108	100
111	Ismael	Sciarra	ISCIARRA	1.515.555.0111	2015-09-30	FI_ACCOUNT	7700.00	NULL	108	100
112	Jose Manuel	Urman	JMURMAN	1.515.555.0112	2016-03-07	FI_ACCOUNT	7800.00	NULL	108	100
113	Luis	Popp	LPOPP	1.515.555.0113	2017-12-07	FI_ACCOUNT	6900.00	NULL	108	100
103	Alexander	James	AJAMES	1.590.555.0103	2016-01-03	IT_PROG	9000.00	NULL	102	60
104	Bruce	Miller	BMILLER	1.590.555.0104	2017-05-21	IT_PROG	6000.00	NULL	103	60
105	David	Williams	DWILLIAMS	1.590.555.0105	2015-06-25	IT_PROG	4800.00	NULL	103	60
106	Valli	Jackson	VJACKSON	1.590.555.0106	2016-02-05	IT_PROG	4800.00	NULL	103	60
107	Diana	Nguyen	DNGUYEN	1.590.555.0107	2017-02-07	IT_PROG	4200.00	NULL	103	60

10 rows in set (0.00 sec)

13. Display all countries in ascending order.

```
KD2_Abhishek_96835>select * from countries order by COUNTRY_NAME;
```

COUNTRY_ID	COUNTRY_NAME	REGION_ID
AR	Argentina	20
AU	Australia	40
BE	Belgium	10
BR	Brazil	20
CA	Canada	20
CN	China	30
DK	Denmark	10
EG	Egypt	50
FR	France	10
DE	Germany	10
IN	India	30
IL	Israel	30
IT	Italy	10
JP	Japan	30
KW	Kuwait	30
ML	Malaysia	30
MX	Mexico	20
NL	Netherlands	10
NG	Nigeria	50
SG	Singapore	30
CH	Switzerland	10
GB	United Kingdom of Great Britain and Nort	10
US	United States of America	20
ZM	Zambia	50
ZW	Zimbabwe	50

25 rows in set (0.03 sec)