

Assignment 3

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

Ans : Select Distinct department_Id From employees;

```
D4_PratikSatpute_62758>Select Distinct department_Id From employees;
```

department_Id
0
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 employee details from the employee table order by first name, descending

Ans : select * from employees order by first_name desc ;

```
D4_PratikSatpute_62758>select * from employees order by first_name desc limit 5;
```

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
206	William	Gietz	WGIEZT	515.123.8181	1987-10-01	AC_ACCOUNT	8300.00	0.00	205	110
171	William	Smith	WSMITH	011.44.1343.629268	1987-08-27	SA_REP	7400.00	0.15	148	80
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

5 rows in set (0.00 sec)

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

Ans : Select employee_id , first_name, last_name, salary from employees order by salary;

```
D4_PratikSatpute_62758>Select employee_id , first_name, last_name, salary from employees order by salary;
```

employee_id	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

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

Ans : Select first_name, hire_date from employees where job_id = 'IT_prog ' OR job_id = 'SA_rep ';

```
D4_PratikSatpute_62758>Select first_name, hire_date from employees where job_id = 'IT_prog ' OR job_id = 'SA_rep ';
```

first_name	hire_date
Alexander	1987-06-20
Bruce	1987-06-21
David	1987-06-22
Valli	1987-06-23
Diana	1987-06-24
Peter	1987-08-06
David	1987-08-07
Peter	1987-08-08
Christopher	1987-08-09
Nanette	1987-08-10
Oliver	1987-08-11
Janette	1987-08-12
Patrick	1987-08-13
Allan	1987-08-14
Lindsey	1987-08-15
Louise	1987-08-16
Sarath	1987-08-17
Clara	1987-08-18
Danielle	1987-08-19
Mattea	1987-08-20
David	1987-08-21
Sundar	1987-08-22
Amit	1987-08-23
Lisa	1987-08-24
Harrison	1987-08-25
Tayler	1987-08-26
William	1987-08-27
Elizabeth	1987-08-28
Sundita	1987-08-29
Ellen	1987-08-30

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

Ans.

Select * from employees where employee_id = 150 or employee_id =160;

```
D4_PratikSatpute_62758>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	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

2 rows in set (0.00 sec)

Select * from employees where employee_id IN(150 ,160);

```
D4_PratikSatpute_62758>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

2 rows in set (0.01 sec)

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

Ans:

select First_name, salary, commission_pct, hire_date from employees
where salary <10000;

```
D4_PratikSatpute_62758>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

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

Ans :

select * from employees where first_name like 'S%' OR Last_name like 'S%' ;

```
D4_PratikSatpute_62758>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
100	Steven	King	SKING	515.123.4567	1987-06-17	AD PRES	24000.00	0.00	0	90
111	Ismael	Sciarra	ISCIARRA	515.124.4369	1987-06-28	FI_ACCOUNT	7700.00	0.00	108	100
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
123	Shanta	Vollman	SVOLLMAN	650.123.4234	1987-07-10	ST_MAN	6500.00	0.00	100	50
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
139	John	Seo	JSEO	650.121.2019	1987-07-26	ST_CLERK	2700.00	0.00	123	50
157	Patrick	Sully	PSULLY	011.44.1345.929268	1987-08-13	SA_REP	9500.00	0.35	146	80
159	Lindsey	Smith	LSMITH	011.44.1345.729268	1987-08-15	SA_REP	8000.00	0.30	146	80
161	Sarah	Sewall	SSEWALL	011.44.1345.529268	1987-08-17	SA_REP	7000.00	0.25	146	80
166	Sundar	Ande	SANDE	011.44.1346.629268	1987-08-22	SA_REP	6400.00	0.10	147	80
171	William	Smith	WSMITH	011.44.1343.629268	1987-08-27	SA_REP	7400.00	0.15	148	80
173	Sundita	Kumar	SKUMAR	011.44.1343.329268	1987-08-29	SA_REP	6100.00	0.10	148	80
182	Martha	Sullivan	MSULLIVA	650.507.9878	1987-09-07	SH_CLERK	2500.00	0.00	120	50
184	Nandita	Sarchand	NSARCHAN	650.509.1876	1987-09-09	SH_CLERK	4200.00	0.00	121	50
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
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

20 rows in set (0.00 sec)

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

Ans :

select * from employees order by job_id desc;

```
D4_PratikSatpute_62758>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	650.127.1034	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

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

Ans: select * from employees where commission_pct= null AND department_id = 30 AND salary between 5000 And 10000;

```
D4_PratikSatpute_62758>select * from employees where commission_pct= null AND department_id = 30 AND salary between 5000 And 10000;
Empty set (0.00 sec)
```

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

Ans. Select first_name, email from employees where department_id = 90;

```
D4_PratikSatpute_62758>Select first_name, email from employees where department_id = 90;
```

first_name	email
Steven	SKING
Neena	NKOCHHAR
Lex	LDEHAAN

11. Display unique country_id from locations table.

Ans : select country_id from locations;

```
D4_PratikSatpute_62758>select country_id from locations;
```

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

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

Ans: select * from employees where job_id in ('IT_PROG' , 'FI_ACCOUNT');

```
D4_PratikSatpute_62758>select * from employees where job_id in ('IT_PROG' , '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	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
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

10 rows in set (0.00 sec)

13. Display all countries in ascending order.

Ans : `select * from countries order by country_name;`

```
D4_PratikSatpute_62758>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

25 rows in set (0.00 sec)