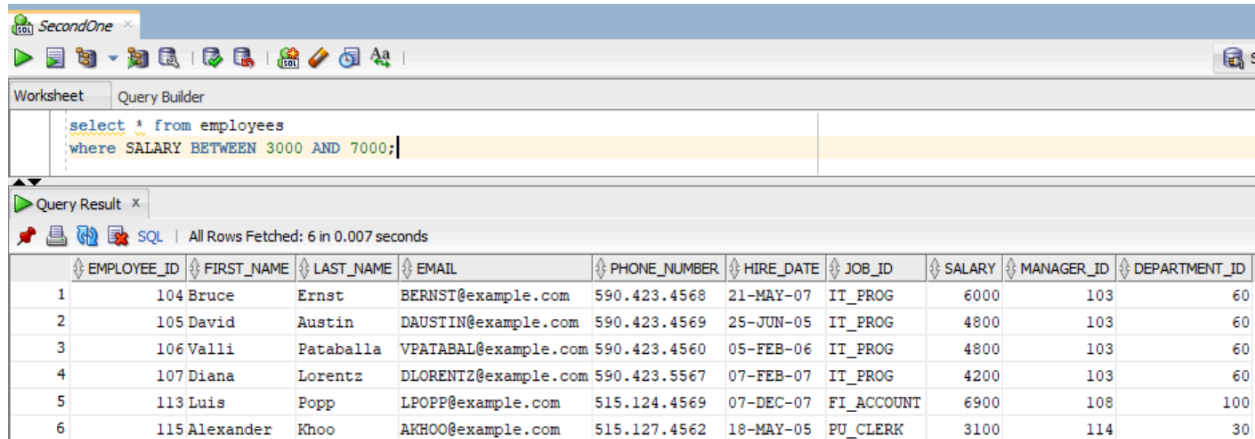# Database Lab 01 Tasks

Name: Yash Raj
Roll Number : 24k-0737

Task 01: Display all employees whose salary is between 3000 and 7000.
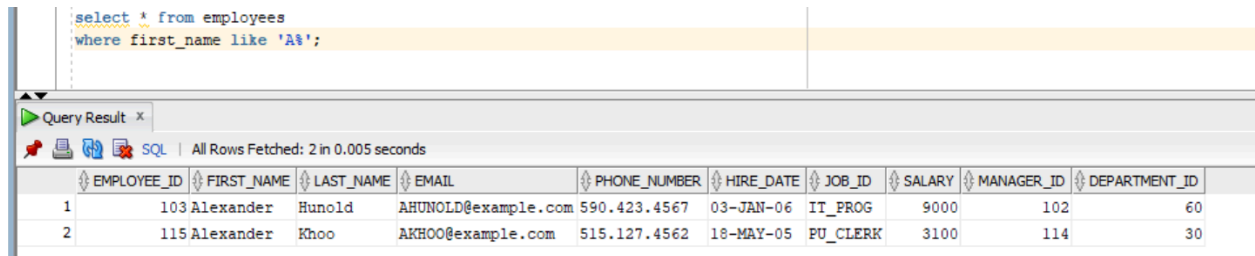

Task 02: Display all employees whose first_name starts with 'A'.
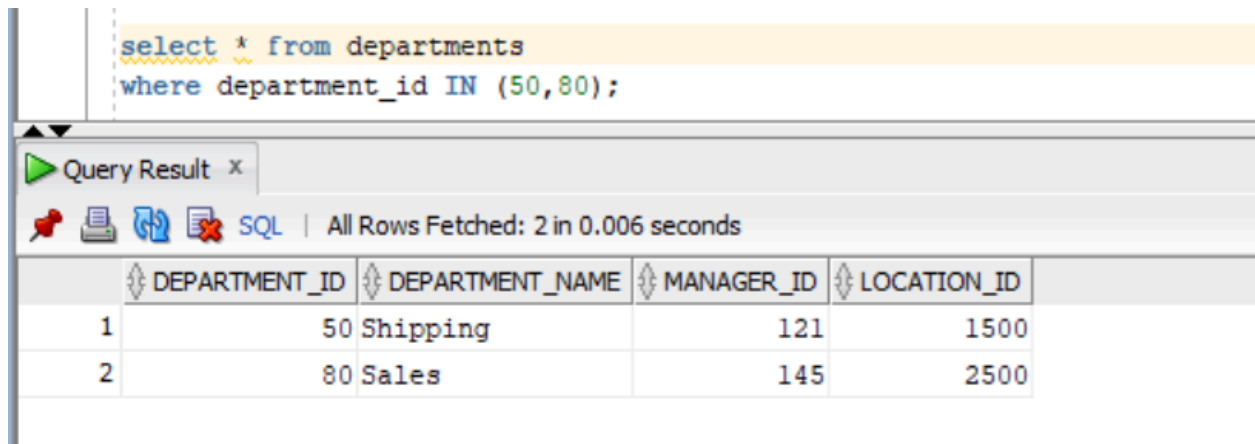
Task 03: Display all employees whose department_id is 50 OR 80.

Task 04: Display all employees whose salary is greater than 5000 AND department_id is 60.

```
select * from employees
where salary > 5000 And department_id = 60;
```

Query Result ×

SQL | All Rows Fetched: 2 in 0.006 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
1	103 Alexander	Hunold	AHUNOLD@example.com	590.423.4567	03-JAN-06	IT_PROG	9000	102	60
2	104 Bruce	Ernst	BERNST@example.com	590.423.4568	21-MAY-07	IT_PROG	6000	103	60

Task 05: Display all employees whose first_name does NOT start with 'S'.

```
select * from employees
where first_name not like 'S%';
```

Query Result ×

SQL | All Rows Fetched: 17 in 0.008 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
2	102 Lex	De Haan	LDEHAAN@example.com	515.123.4569	05-FEB-26	IT_PROG	9000	101	30
3	103 Alexander	Hunold	AHUNOLD@example.com	590.423.4567	03-JAN-06	IT_PROG	9000	102	60
4	104 Bruce	Ernst	BERNST@example.com	590.423.4568	21-MAY-07	IT_PROG	6000	103	60
5	105 David	Austin	DAUSTIN@example.com	590.423.4569	25-JUN-05	IT_PROG	4800	103	60
6	106 Valli	Pataballa	VPATABAL@example.com	590.423.4560	05-FEB-06	IT_PROG	4800	103	60
7	107 Diana	Lorentz	DLORENTZ@example.com	590.423.5567	07-FEB-07	IT_PROG	4200	103	60
8	108 Nancy	Greenberg	NGREENBE@example.com	515.124.4569	17-AUG-02	FI_MGR	12000	101	100
9	109 Daniel	Faviet	DFAVIET@example.com	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	108	100
10	110 John	Chen	JCHEN@example.com	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	108	100
11	111 Ismael	Sciarra	ISCIARRA@example.com	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	108	100
12	112 Jose Manuel	Urman	JMURMAN@example.com	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	108	100
13	113 Luis	Popp	LPOPP@example.com	515.124.4569	07-DEC-07	FI_ACCOUNT	6900	108	100
14	114 Den	Raphaely	DRAPHAEL@example.com	515.127.4561	07-DEC-07	PU_MAN	11000	100	30
15	115 Alexander	Khoo	AKHOO@example.com	515.127.4562	18-MAY-05	PU_CLERK	3100	114	30
16	118 Guy	Himuro	GHIMURO@example.com	515.127.4565	24-DEC-05	PU_CLERK	2600	114	30
17	119 Karen	Colmenares	KCOLMENA@example.com	515.127.4566	24-DEC-05	PU_CLERK	2500	114	30

Task 06: Display all employees whose hire_date is between 01-JAN-2004 and 31-DEC-2008.

```
SELECT *
FROM employees
WHERE hire_date BETWEEN TO_DATE('01-JAN-2004', 'DD-MON-YYYY')
              AND TO_DATE('31-DEC-2008', 'DD-MON-YYYY');
```

Query Result ×

SQL | All Rows Fetched: 15 in 0.011 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
2	104 Bruce	Ernst	BERNST@example.com	590.423.4568	21-MAY-07	IT_PROG	6000	103	60
3	105 David	Austin	DAUSTIN@example.com	590.423.4569	25-JUN-05	IT_PROG	4800	103	60
4	106 Valli	Pataballa	VPATABAL@example.com	590.423.4560	05-FEB-06	IT_PROG	4800	103	60
5	107 Diana	Lorentz	DLORENTZ@example.com	590.423.5567	07-FEB-07	IT_PROG	4200	103	60
6	110 John	Chen	JCHEN@example.com	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	108	100
7	111 Ismael	Sciarra	ISCIARRA@example.com	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	108	100
8	112 Jose Manuel	Urman	JMURMAN@example.com	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	108	100
9	113 Luis	Popp	LPOPP@example.com	515.124.4569	07-DEC-07	FI_ACCOUNT	6900	108	100
10	114 Den	Raphaely	DRAPHAEL@example.com	515.127.4561	07-DEC-07	PU_MAN	11000	100	30
11	115 Alexander	Khoo	AKHOO@example.com	515.127.4562	18-MAY-05	PU_CLERK	3100	114	30
12	116 Shelli	Baida	SBAIDA@example.com	515.127.4563	24-DEC-05	PU_CLERK	2900	114	30
13	117 Sigal	Tobias	STOBIAS@example.com	515.127.4564	24-DEC-05	PU_CLERK	2800	114	30
14	118 Guy	Himuro	GHIMURO@example.com	515.127.4565	24-DEC-05	PU_CLERK	2600	114	30
15	119 Karen	Colmenares	KCOLMENA@example.com	515.127.4566	24-DEC-05	PU_CLERK	2500	114	30

Task 07: Display all employees whose job_id is 'IT_PROG' OR salary is greater than 8000.

```
select *from employees
where job_id = 'IT_PROG' or salary > 8000;
```

Query Result ×

SQL | All Rows Fetched: 12 in 0.004 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING@example.com	515.123.4567	05-FEB-26	AD_PRES	24000	(null)	10
2	101	Neena	Kochhar	NKOCHHAR@example.com	515.123.4568	05-FEB-26	AD_VP	17000	100	10
3	102	Lex	De Haan	LDEHAAN@example.com	515.123.4569	05-FEB-26	IT_PROG	9000	101	30
4	103	Alexander	Hunold	AHUNOLD@example.com	590.423.4567	03-JAN-06	IT_PROG	9000	102	60
5	104	Bruce	Ernst	BERNST@example.com	590.423.4568	21-MAY-07	IT_PROG	6000	103	60
6	105	David	Austin	DAUSTIN@example.com	590.423.4569	25-JUN-05	IT_PROG	4800	103	60
7	106	Valli	Pataballa	VPATABAL@example.com	590.423.4560	05-FEB-06	IT_PROG	4800	103	60
8	107	Diana	Lorentz	DLORENTZ@example.com	590.423.5567	07-FEB-07	IT_PROG	4200	103	60
9	108	Nancy	Greenberg	NGREENBE@example.com	515.124.4569	17-AUG-02	FI_MGR	12000	101	100
10	109	Daniel	Faviet	DFAVIET@example.com	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	108	100
11	110	John	Chen	JCHEN@example.com	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	108	100
12	114	Den	Raphaely	DRAPHAEL@example.com	515.127.4561	07-DEC-07	PU_MAN	11000	100	30

Task 08: Display all employees whose department_id is NOT between 30 and 90.

```
select * from employees
where department_id not between 30 And 90;
```

Query Result ×

SQL | All Rows Fetched: 8 in 0.006 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING@example.com	515.123.4567	05-FEB-26	AD_PRES	24000	(null)	10
2	101	Neena	Kochhar	NKOCHHAR@example.com	515.123.4568	05-FEB-26	AD_VP	17000	100	10
3	108	Nancy	Greenberg	NGREENBE@example.com	515.124.4569	17-AUG-02	FI_MGR	12000	101	100
4	109	Daniel	Faviet	DFAVIET@example.com	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	108	100
5	110	John	Chen	JCHEN@example.com	515.124.4269	28-SEP-05	FI_ACCOUNT	8200	108	100
6	111	Ismael	Sciarra	ISCIARRA@example.com	515.124.4369	30-SEP-05	FI_ACCOUNT	7700	108	100
7	112	Jose Manuel	Urman	JMURMAN@example.com	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	108	100
8	113	Luis	Popp	LPOPP@example.com	515.124.4569	07-DEC-07	FI_ACCOUNT	6900	108	100

Task 09: Display all employees whose first_name contains 'an'.

```
SELECT * FROM employees
where first_name LIKE '%an%';
```

Query Result ×

SQL | All Rows Fetched: 6 in 0.006 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
1	103	Alexander	Hunold	AHUNOLD@example.com	590.423.4567	03-JAN-06	IT_PROG	9000	102	60
2	107	Diana	Lorentz	DLORENTZ@example.com	590.423.5567	07-FEB-07	IT_PROG	4200	103	60
3	108	Nancy	Greenberg	NGREENBE@example.com	515.124.4569	17-AUG-02	FI_MGR	12000	101	100
4	109	Daniel	Faviet	DFAVIET@example.com	515.124.4169	16-AUG-02	FI_ACCOUNT	9000	108	100
5	112	Jose Manuel	Urman	JMURMAN@example.com	515.124.4469	07-MAR-06	FI_ACCOUNT	7800	108	100
6	115	Alexander	Khoo	AKHOO@example.com	515.127.4562	18-MAY-05	PU_CLERK	3100	114	30

Task 10: Display all employees whose salary is less than 4000 AND first_name ends with 'n'.

```
select * from employees
where salary < 4000 And first_name like '%n'
```

Query Result ×

SQL | All Rows Fetched: 1 in 0.006 seconds

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	MANAGER_ID	DEPARTMENT_ID
119	Karen	Colmenares	KCOLMENA@example.com	515.127.4566	24-DEC-05	PU_CLERK	2500	114	30