DDL QUESTIONS

1. Write a SQL statement that displays all the information about employees table?

```
SELECT * FROM employees;
```

Query Result | SQL | Fetched 50 rows in 0.438 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	100	Steven	King	SKING	515.123.4567	17-06-03	AD_PRES	24000	(null)	(null)	90
2	101	Neena	Kochhar	NKOCHHAR	515.123.4568	21-09-05	AD_VP	17000	(null)	100	90
3	102	Lex	De Haan	LDEHAAN	515.123.4569	13-01-01	AD_VP	17000	(null)	100	90
4	103	Alexander	Hunold	AHUNOLD	590.423.4567	03-01-06	IT_PROG	9000	(null)	102	60
5	104	Bruce	Ernst	BERNST	590.423.4568	21-05-07	IT_PROG	6000	(null)	103	60
6	105	David	Austin	DAUSTIN	590.423.4569	25-06-05	IT_PROG	4800	(null)	103	60
7	106	Valli	Pataballa	VPATABAL	590.423.4560	05-02-06	IT_PROG	4800	(null)	103	60
8	107	Diana	Lorentz	DLORENTZ	590.423.5567	07-02-07	IT_PROG	4200	(null)	103	60
9	108	Nancy	Greenberg	NGREENBE	515.124.4569	17-08-02	FI_MGR	12008	(null)	101	100

2. Write a SQL statement to display a string "This is SQL Test".

Worksheet | Query Builder

```
SELECT 'This is SQL Test' as message from dual;
```

Query Result | SQL | All Rows Fetched: 1 in 0.011 seconds

	MESSAGE
1	This is SQL Test

3. Write a SQL query to display three columns in location table?

Worksheet | Query Builder

```
SELECT 'location_id', 'location_name', 'city' FROM dual;
```

Query Result | SQL | All Rows Fetched: 1 in 0.008 seconds

	'LOCATION_ID'	'LOCATION_NAME'	'CITY'
1	location_id	location_name	city

4. Write a SQL query to display the sum of two numbers 10 and 15?

```
SELECT 10 + 15 AS Sum from dual;
```

Query Result

SQL | All Rows Fetched: 1 in 0.031 seconds

	SUM
1	25

5. Write an SQL query to display the result of all arithmetic expression?

Worksheet | Query Builder

```
SELECT
    10 + 5 addition,
    10 - 5 subraction,
    10 * 5 multiplication,
    10 / 5 division
from dual;
```

Query Result

SQL | All Rows Fetched: 1 in 0.008 seconds

	ADDITION	SUBRACTION	MULTIPLICATION	DIVISION
1	15	5	50	2

6. Write a SQL statement to display specific columns salary and commissions for all employees.

```
SELECT salary, commission_PCT
FROM EMPLOYEES;
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.073 seconds

	SALARY	COMMISSION_PCT
1	24000	(null)
2	17000	(null)
3	17000	(null)
4	9000	(null)
5	6000	(null)

7. Write a query to display the columns in a specific order, such as Department id, job id, first name, last name, and salary for all employees.

```
SELECT department_id, job_id, first_name, last_name, salary
FROM employees;
```

Script Output | Query Result | SQL | Fetched 50 rows in 0.045 seconds

	DEPARTMENT_ID	JOB_ID	FIRST_NAME	LAST_NAME	SALARY
1	90	AD_PRES	Steven	King	24000
2	90	AD_VP	Neena	Kochhar	17000
3	90	AD_VP	Lex	De Haan	17000
4	60	IT_PROG	Alexander	Hunold	9000
5	60	IT_PROG	Bruce	Ernst	6000
6	60	IT_PROG	David	Austin	4800
7	60	IT_PROG	Valli	Pataballa	4800
8	60	IT_PROG	Diana	Lorentz	4200
9	100	FI_MGR	Nancy	Greenberg	12008
10	100	FI_ACCOUNT	Daniel	Faviet	9000
11	100	FI_ACCOUNT	John	Chen	8200
12	100	FI_ACCOUNT	Ismael	Sciarra	7700
13	100	FI_ACCOUNT	Jose Manuel	Urman	7800

8. write a SQL query to fetch who first name is 'Den'.

Worksheet | Query Builder

```
SELECT first_name, last_name, salary
FROM employees
WHERE first_name = 'Den';
```

Script Output | Query Result | SQL | All Rows Fetched: 1 in 0.005 seconds

	FIRST_NAME	LAST_NAME	SALARY
1	Den	Raphaely	11000

9. Fetch the record who's manger is 100.

```
1  SELECT employee_id, first_name, last_name, job_id
2  FROM employees
3  WHERE manager_id = 100;
```

Script Output | Query Result

SQL | All Rows Fetched: 14 in 0.024 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	JOB_ID
1	101	Neena	Kochhar	AD_VP
2	102	Lex	De Haan	AD_VP
3	114	Den	Raphaely	PU_MAN
4	120	Matthew	Weiss	ST_MAN
5	121	Adam	Fripp	ST_MAN
6	122	Payam	Kaufling	ST_MAN
7	123	Shanta	Vollman	ST_MAN
8	124	Kevin	Mourgos	ST_MAN
9	145	John	Russell	SA_MAN
10	146	Karen	Partners	SA_MAN
11	147	Alberto	Errazuriz	SA_MAN
12	148	Gerald	Cambrault	SA_MAN

10. Fetch the record from employees who all are getting commission.

```
1  SELECT employee_id, first_name, last_name, commission_PCT
2  FROM employees
3  WHERE commission_PCT IS NOT NULL;
```

Script Output | Query Result

SQL | All Rows Fetched: 35 in 0.023 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	COMMISSION_PCT
1	145	John	Russell	0.4
2	146	Karen	Partners	0.3
3	147	Alberto	Errazuriz	0.3
4	148	Gerald	Cambrault	0.3
5	149	Eleni	Zlotkey	0.2
6	150	Peter	Tucker	0.3
7	151	David	Bernstein	0.25
8	152	Peter	Hall	0.25
9	153	Christopher	Olsen	0.2
10	154	Nanette	Cambrault	0.2
11	155	Oliver	Tuvault	0.15
12	156	Janette	King	0.35

11. Fetch the record from employees who all are not getting commission.

```
1  SELECT employee_id, first_name, last_name, commission_PCT
2  FROM employees
3  WHERE commission_PCT IS NULL;
```

Script Output x | Query Result x

SQL | All Rows Fetched: 72 in 0.026 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	COMMISSION_PCT
1	100	Steven	King	(null)
2	101	Neena	Kochhar	(null)
3	102	Lex	De Haan	(null)
4	103	Alexander	Hunold	(null)
5	104	Bruce	Ernst	(null)
6	105	David	Austin	(null)
7	106	Valli	Pataballa	(null)
8	107	Diana	Lorentz	(null)
9	108	Nancy	Greenberg	(null)
10	109	Daniel	Faviet	(null)

12. Fetch the record from employees who all are getting salary below 5000 in department 50.

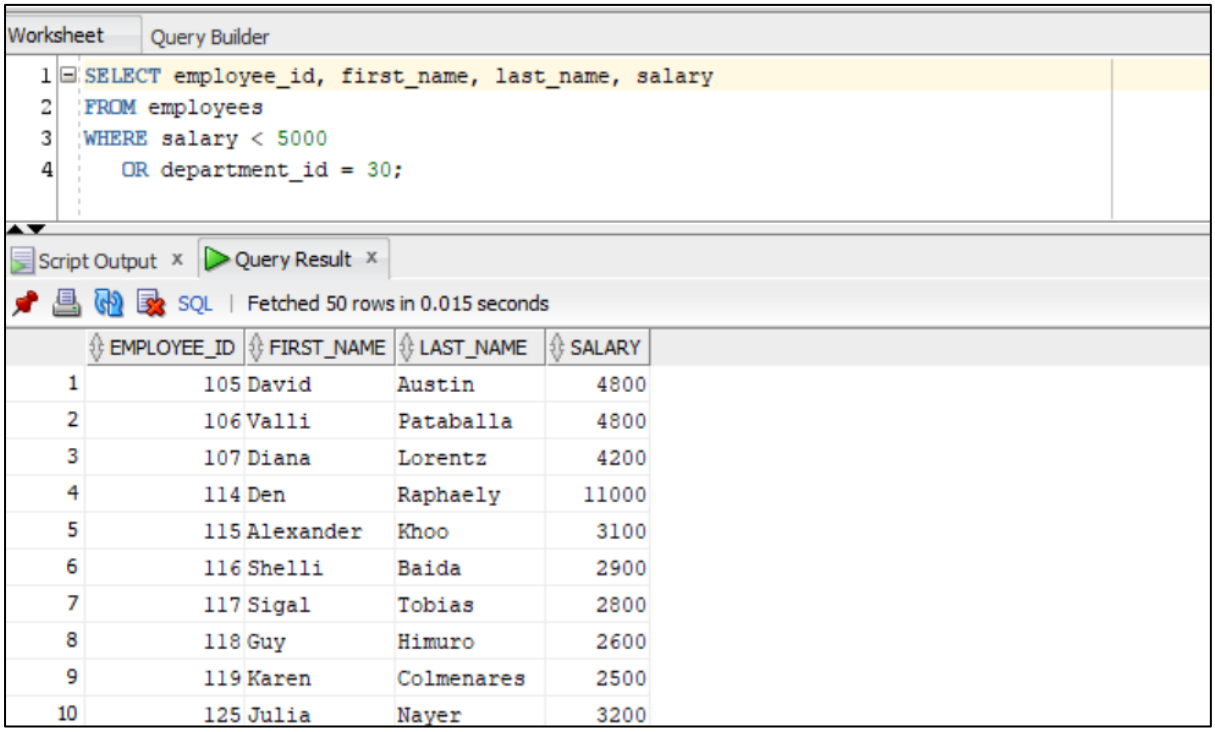
```
1  SELECT employee_id, first_name, last_name, salary
2  FROM employees
3  WHERE salary < 5000
4  AND department_id = 50;
```

Script Output x | Query Result x

SQL | All Rows Fetched: 40 in 0.017 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	125	Julia	Nayer	3200
2	126	Irene	Mikkilineni	2700
3	127	James	Landry	2400
4	128	Steven	Markle	2200
5	129	Laura	Bissot	3300
6	130	Mozhe	Atkinson	2800
7	131	James	Marlow	2500
8	132	TJ	Olson	2100
9	133	Jason	Mallin	3300
10	134	Michael	Rogers	2900

13. Fetch the record from employees who all are getting salary below 5000 either department id 30.

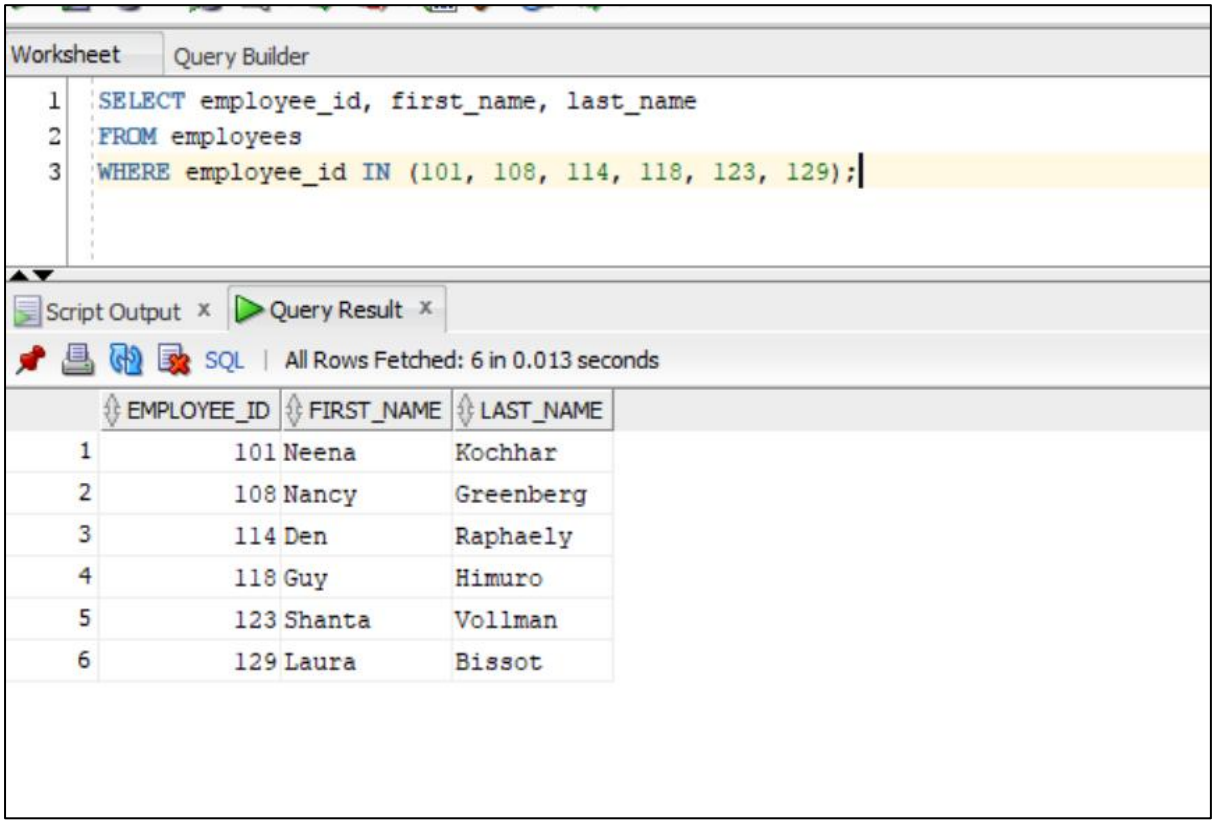


```
Worksheet  Query Builder
1  SELECT employee_id, first_name, last_name, salary
2  FROM employees
3  WHERE salary < 5000
4     OR department_id = 30;
```

Script Output | Query Result | SQL | Fetched 50 rows in 0.015 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	105	David	Austin	4800
2	106	Valli	Pataballa	4800
3	107	Diana	Lorentz	4200
4	114	Den	Raphaely	11000
5	115	Alexander	Khoo	3100
6	116	Shelli	Baida	2900
7	117	Sigal	Tobias	2800
8	118	Guy	Himuro	2600
9	119	Karen	Colmenares	2500
10	125	Julia	Nayer	3200

14. write a SQL query to retrieve the details of the employees whose employeeid match with 101,108,114,118,123 and 129.



```
Worksheet  Query Builder
1  SELECT employee_id, first_name, last_name
2  FROM employees
3  WHERE employee_id IN (101, 108, 114, 118, 123, 129);
```

Script Output | Query Result | SQL | All Rows Fetched: 6 in 0.013 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME
1	101	Neena	Kochhar
2	108	Nancy	Greenberg
3	114	Den	Raphaely
4	118	Guy	Himuro
5	123	Shanta	Vollman
6	129	Laura	Bissot

15. write a SQL query to find employees for the firstname that does not begin with the letter 'P'.

Worksheet | Query Builder

```
1  SELECT employee_id, first_name, last_name
2  FROM employees
3  WHERE first_name NOT LIKE 'P%';
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.027 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME
1	100	Steven	King
2	101	Neena	Kochhar
3	102	Lex	De Haan
4	103	Alexander	Hunold
5	104	Bruce	Ernst
6	105	David	Austin
7	106	Valli	Pataballa
8	107	Diana	Lorentz
9	108	Nancy	Greenberg
10	109	Daniel	Faviet

16. Write SQL query to find the employees whose salary are higher than or equal to 10000. Order the result by salary in descending.

Worksheet | Query Builder

```
1  SELECT employee_id, first_name, last_name, salary
2  FROM employees
3  WHERE salary >= 10000
4  ORDER BY salary DESC;
```

Script Output | Query Result

SQL | All Rows Fetched: 19 in 0.036 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	100	Steven	King	24000
2	101	Neena	Kochhar	17000
3	102	Lex	De Haan	17000
4	145	John	Russell	14000
5	146	Karen	Partners	13500
6	201	Michael	Hartstein	13000
7	108	Nancy	Greenberg	12008
8	205	Shelley	Higgins	12008
9	147	Alberto	Errazuriz	12000
10	168	Lisa	Ozer	11500

17. Describe Dual table?

```
--The DUAL table in Oracle is a one-row, one-column table used for expressions and system functions.
```

18. Display salary and 30% of the salary from employees?

```
SELECT salary, salary * 0.30 AS salary_30_percent
FROM employees;
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.094 seconds

	SALARY	SALARY_30_PERCENT
1	24000	7200
2	17000	5100
3	17000	5100
4	9000	2700
5	6000	1800
6	4800	1440
7	4800	1440
8	4200	1260

19. Display salary and 30% of the salary and add the salary and 30% of the salary and dispaly the column name as "New Salary" from employees?

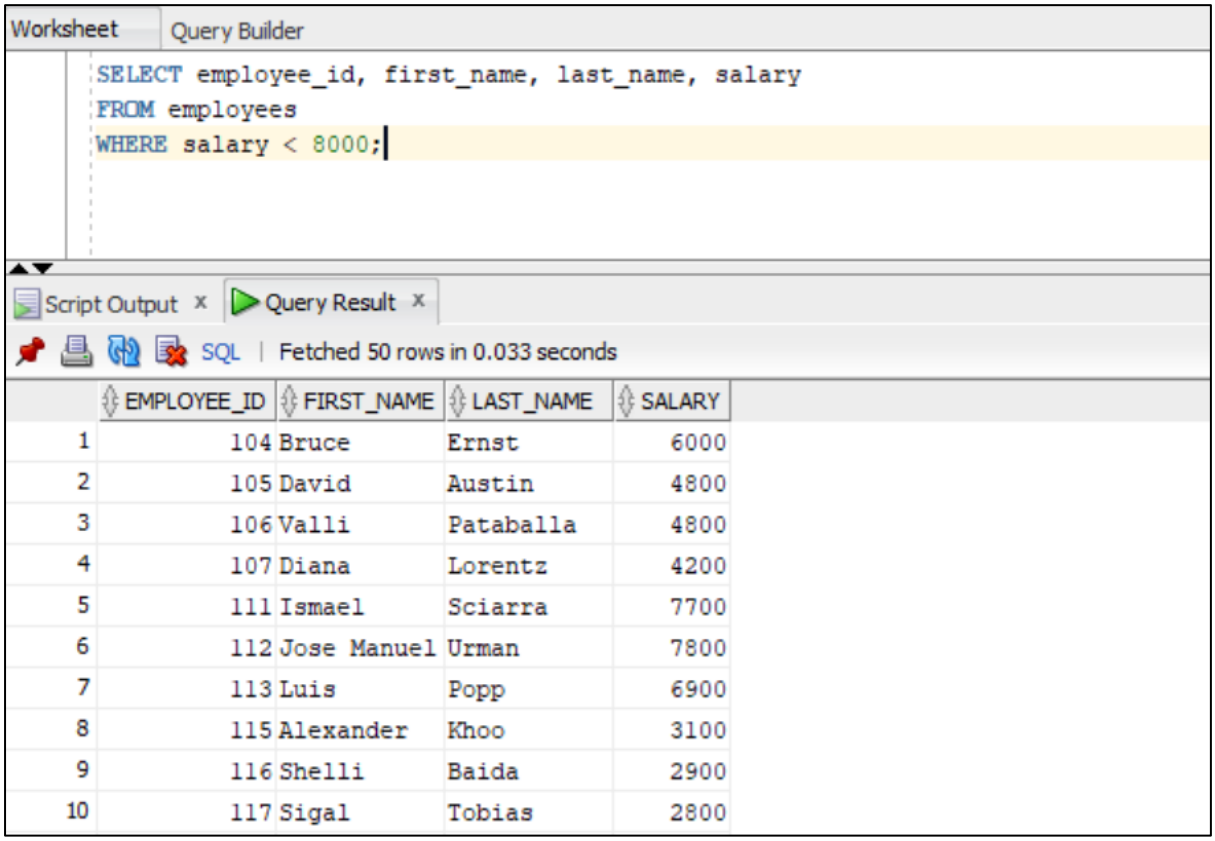
```
SELECT salary,
       salary * 0.30 AS salary_30_percent,
       salary + (salary * 0.30) AS "New Salary"
FROM employees;
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.018 seconds

	SALARY	SALARY_30_PERCENT	New Salary
1	24000	7200	31200
2	17000	5100	22100
3	17000	5100	22100
4	9000	2700	11700
5	6000	1800	7800
6	4800	1440	6240
7	4800	1440	6240

20. Fetch the record from employees who all are getting salary below 8000?



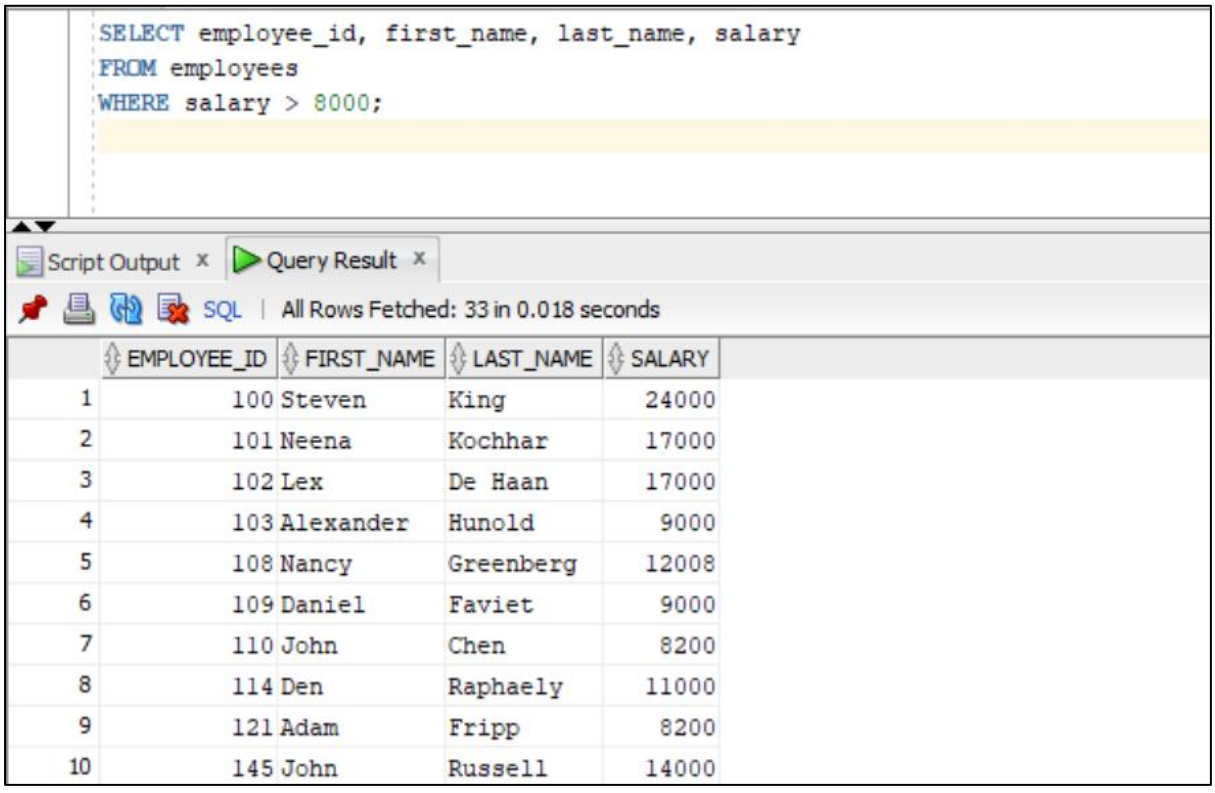
Worksheet | Query Builder

```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary < 8000;
```

Script Output | Query Result | SQL | Fetched 50 rows in 0.033 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	104	Bruce	Ernst	6000
2	105	David	Austin	4800
3	106	Valli	Pataballa	4800
4	107	Diana	Lorentz	4200
5	111	Ismael	Sciarra	7700
6	112	Jose Manuel	Urman	7800
7	113	Luis	Popp	6900
8	115	Alexander	Khoo	3100
9	116	Shelli	Baida	2900
10	117	Sigal	Tobias	2800

21. Fetch the record from employees who all are getting salary above 8000?

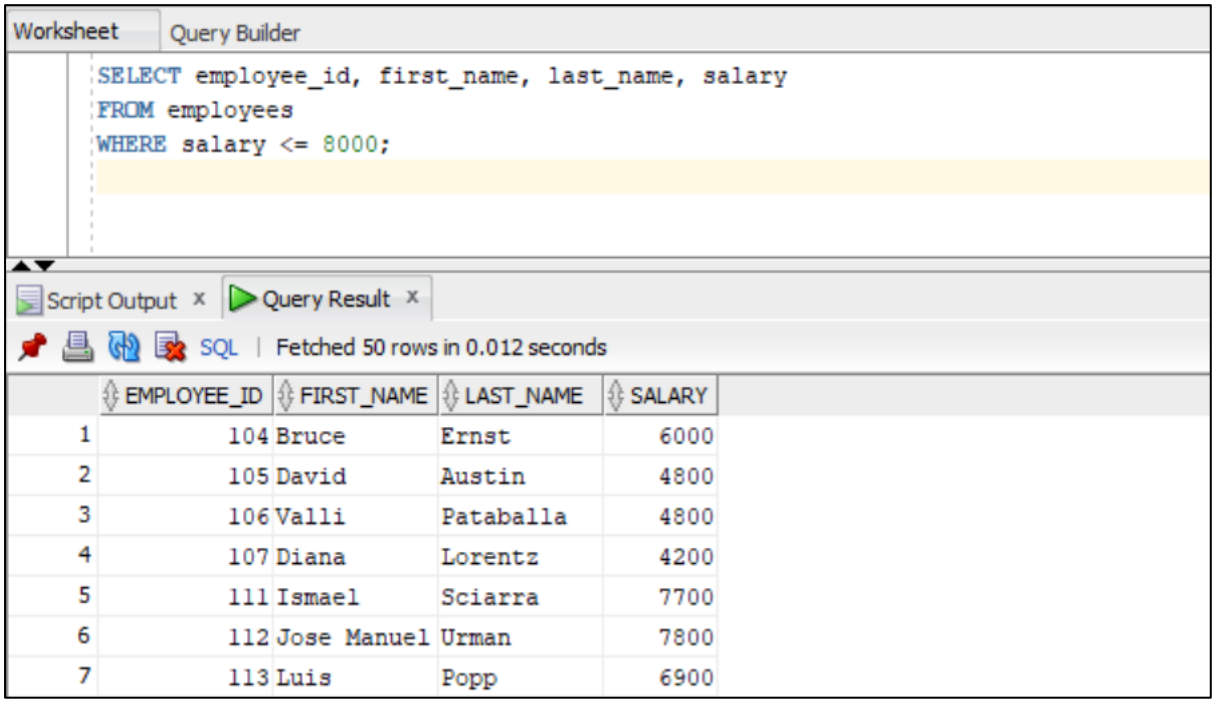


```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary > 8000;
```

Script Output | Query Result | SQL | All Rows Fetched: 33 in 0.018 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	100	Steven	King	24000
2	101	Neena	Kochhar	17000
3	102	Lex	De Haan	17000
4	103	Alexander	Hunold	9000
5	108	Nancy	Greenberg	12008
6	109	Daniel	Faviet	9000
7	110	John	Chen	8200
8	114	Den	Raphaely	11000
9	121	Adam	Fripp	8200
10	145	John	Russell	14000

22. Fetch the record from employees who all are getting salary less than or equal 8000?

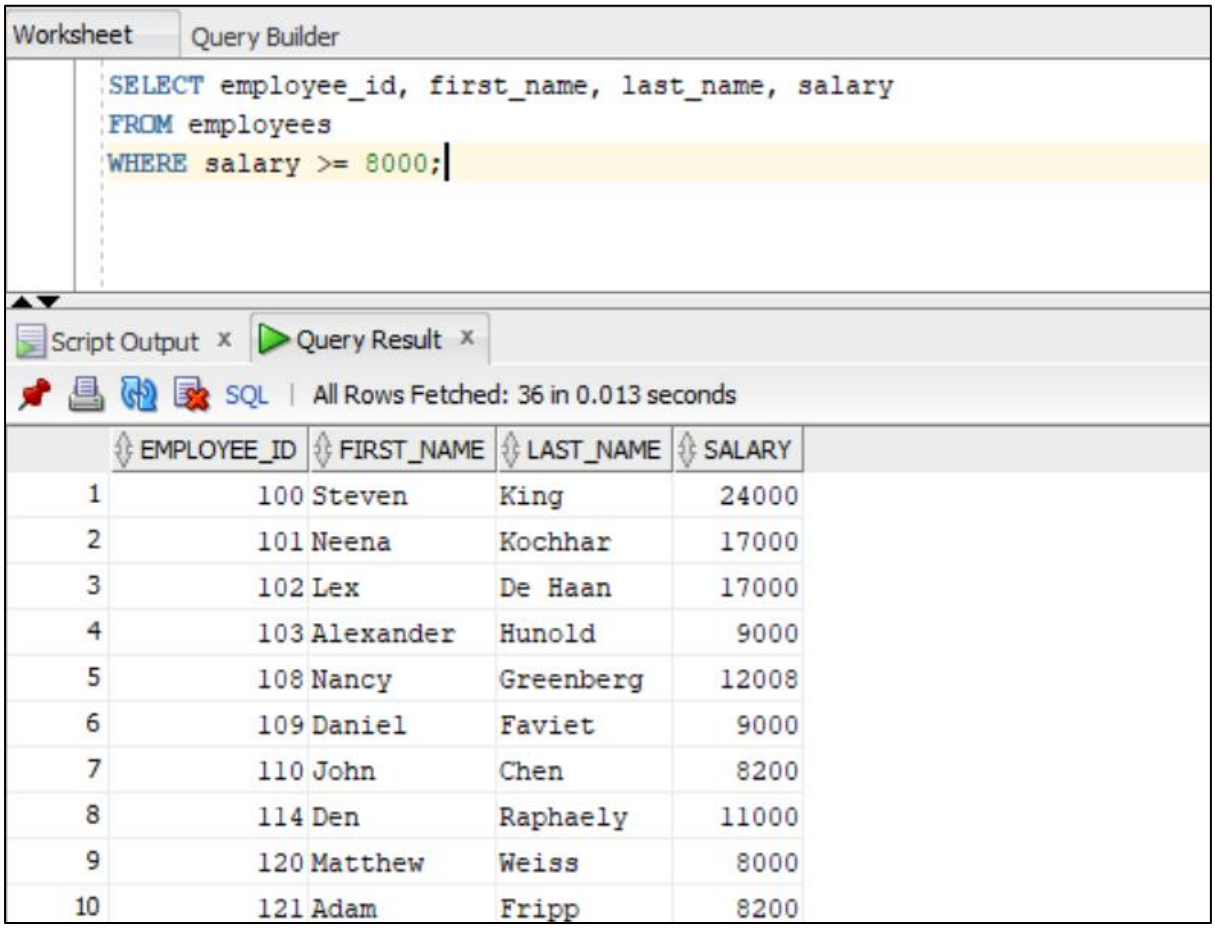


```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary <= 8000;
```

Script Output | Query Result | SQL | Fetched 50 rows in 0.012 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	104	Bruce	Ernst	6000
2	105	David	Austin	4800
3	106	Valli	Pataballa	4800
4	107	Diana	Lorentz	4200
5	111	Ismael	Sciarra	7700
6	112	Jose Manuel	Urman	7800
7	113	Luis	Popp	6900

23. Fetch the record from employees who all are getting salary greater than or equal 8000?



```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary >= 8000;
```

Script Output | Query Result | SQL | All Rows Fetched: 36 in 0.013 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	100	Steven	King	24000
2	101	Neena	Kochhar	17000
3	102	Lex	De Haan	17000
4	103	Alexander	Hunold	9000
5	108	Nancy	Greenberg	12008
6	109	Daniel	Faviet	9000
7	110	John	Chen	8200
8	114	Den	Raphaely	11000
9	120	Matthew	Weiss	8000
10	121	Adam	Fripp	8200

24. Fetch the record from employees who all are getting salary exactly 8000?

```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary = 8000;
```

Script Output | Query Result

SQL | All Rows Fetched: 3 in 0.008 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	120	Matthew	Weiss	8000
2	153	Christopher	Olsen	8000
3	159	Lindsey	Smith	8000

25. Fetch the record from employees who all are getting salary not equal 8000?

Worksheet | Query Builder

```
SELECT employee_id, first_name, last_name, salary
FROM employees
WHERE salary <> 8000;
```

Script Output | Query Result

SQL | Fetched 50 rows in 0.011 seconds

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	SALARY
1	100	Steven	King	24000
2	101	Neena	Kochhar	17000
3	102	Lex	De Haan	17000
4	103	Alexander	Hunold	9000
5	104	Bruce	Ernst	6000
6	105	David	Austin	4800
7	106	Valli	Pataballa	4800
8	107	Diana	Lorentz	4200
9	108	Nancy	Greenberg	12008
10	109	Daniel	Faviet	9000