Aman Sahu – 0187AS221007

EXPRIMENT - 1

1. **Write a query in SQL to display the full name (first and last name), and salary for those employees who earn below 6000.**

Select first_name, last_name, salary
FROM employees
where salary < 6000;

FIRST_NAME	LAST_NAME	SALARY
David	Austin	4800
Valli	Pataballa	4800
Diana	Lorentz	4200
Alexander	Khoo	3100
Shelli	Baida	2900
Sigal	Tobias	2800
Guy	Himuro	2600
Karen	Colmenares	2500
Kevin	Mourgos	5800
Julia	Nayer	3200
Irene	Mikkilineni	2700
James	Landry	2400
Steven	Markle	2200
Laura	Bissot	3300
Mozhe	Atkinson	2800
James	Marlow	2500
TJ	Olson	2100
Jason	Mallin	3300
Michael	Rogers	2900
Ki	Gee	2400
Hazel	Philtanker	2200
Renske	Ladwig	3600
Stephen	Stiles	3200
John	Seo	2700
Joshua	Patel	2500

Trenna	Rajs	3500
Curtis	Davies	3100
Randall	Matos	2600
Peter	Vargas	2500
Winston	Taylor	3200
Jean	Fleaur	3100
Martha	Sullivan	2500
Girard	Geoni	2800
Nandita	Sarchand	4200
Alexis	Bull	4100
Julia	Dellinger	3400
Anthony	Cabrio	3000
Kelly	Chung	3800
Jennifer	Dilly	3600
Timothy	Gates	2900
Randall	Perkins	2500
Sarah	Bell	4000
Britney	Everett	3900
Samuel	McCain	3200
Vance	Jones	2800
Alana	Walsh	3100
Kevin	Feeney	3000
Donald	OConnell	2600
Douglas	Grant	2600
Jennifer	Whalen	4400

50 rows returned in 0.00 seconds CSV

2. Write a query in SQL to display the first and last_name, department number and salary for those employees who earn more than 8000.

SELECT first_name, last_name, salary, department_id
FROM employees
WHERE salary > 8000;

FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
Steven	King	24000	90
Neena	Kochhar	17000	90
Lex	De Haan	17000	90
Alexander	Hunold	9000	60
Nancy	Greenberg	12000	100
Daniel	Faviet	9000	100
John	Chen	8200	100
Den	Raphaely	11000	30
Adam	Fripp	8200	50
John	Russell	14000	80
Karen	Partners	13500	80
Alberto	Errazuriz	12000	80
Gerald	Cambrault	11000	80
Eleni	Zlotkey	10500	80
Peter	Tucker	10000	80
David	Bernstein	9500	80
Peter	Hall	9000	80
Janette	King	10000	80
Patrick	Sully	9500	80

Allan	McEwen	9000	80
Clara	Vishney	10500	80
Danielle	Greene	9500	80
Lisa	Ozer	11500	80
Harrison	Bloom	10000	80
Tayler	Fox	9600	80
Ellen	Abel	11000	80
Alyssa	Hutton	8800	80
Jonathon	Taylor	8600	80
Jack	Livingston	8400	80
Michael	Hartstein	13000	20
Hermann	Baer	10000	70
Shelley	Higgins	12000	110
William	Gietz	8300	110

33 rows returned in 0.00 seconds CSV Export

3. **Write a query in SQL to display the first and last name, and department number for all employees whose last name is "McEwen".**

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

FIRST_NAME	LAST_NAME	SALARY	DEPARTMENT_ID
Allan	McEwen	9000	80

1 rows returned in 0.01 seconds CSV Export

4. **Write a query in SQL to display all the information for all employees without any department number**

```
SELECT *
FROM employees
WHERE department_id is NULL;
```

EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
178	Kimberely	Grant	KGRANT	011.44.1644.429263	24-MAY-99	SA_REP	7000	.15	149	-

1 rows returned in 0.00 seconds

5. **Write a query in SQL to display all the information about the department Marketing.**

```
SELECT *
FROM departments
WHERE department_name = 'Marketing';
```

DEPARTMENT_ID	DEPARTMENT_NAME	MANAGER_ID	LOCATION_ID
20	Marketing	201	1800

1 rows returned in 0.04 seconds CSV Export

6. **Write a query in SQL to display the full name (first and last), hire date, salary, and department number for those employees whose first name does not containing the letter M and make the result set in ascending order by department number.**

```
SELECT first_name, last_name, hire_date, salary, department_id
FROM employees
WHERE first_name NOT LIKE '%M%'
ORDER BY department_id ASC;
```

FIRST_NAME	LAST_NAME	HIRE_DATE	SALARY	DEPARTMENT_ID
Jennifer	Whalen	17-SEP-87	4400	10
Pat	Fay	17-AUG-97	6000	20
Den	Raphaely	07-DEC-94	11000	30
Alexander	Khoo	18-MAY-95	3100	30
Shelli	Baida	24-DEC-97	2900	30
Sigal	Tobias	24-JUL-97	2800	30
Guy	Himuro	15-NOV-98	2600	30
Karen	Colmenares	10-AUG-99	2500	30
Susan	Mavris	07-JUN-94	6500	40
Adam	Fripp	10-APR-97	8200	50
Payam	Kaufling	01-MAY-95	7900	50
Shanta	Vollman	10-OCT-97	6500	50
Kevin	Mourgos	16-NOV-99	5800	50
Julia	Nayer	16-JUL-97	3200	50
Irene	Mikkilineni	28-SEP-98	2700	50
Charles	Johnson	04-JAN-00	6200	80
Steven	King	17-JUN-87	24000	90
Neena	Kochhar	21-SEP-89	17000	90
Lex	De Haan	13-JAN-93	17000	90
Nancy	Greenberg	17-AUG-94	12000	100
Daniel	Faviet	16-AUG-94	9000	100
John	Chen	28-SEP-97	8200	100
Ismael	Sciarra	30-SEP-97	7700	100
Luis	Popp	07-DEC-99	6900	100
Shelley	Higgins	07-JUN-94	12000	110
William	Gietz	07-JUN-94	8300	110
Kimberely	Grant	24-MAY-99	7000	-

100 rows returned in 0.00 seconds CSV Export

7. **Write a query in SQL to display all the information of employees whose salary is in the range of 8000 and 12000 and commission is not null or department number is except the number 40, 120 and 70 and they have been hired before June 5th, 1987.**

```
SELECT *
FROM employees
WHERE salary BETWEEN 8000 AND 12000
AND (commission_pct IS NOT NULL OR department_id NOT IN (40, 120, 70))
AND hire_date < '1987-06-05';
```

no data found

8. **Write a query in SQL to display the full name (first and last name), and salary for all employees who does not earn any commission**

```
SELECT first_name, last_name, salary
FROM employees
WHERE commission_pct IS NOT NULL;
```

FIRST_NAME	LAST_NAME	SALARY
John	Russell	14000
Karen	Partners	13500
Alberto	Errazuriz	12000
Gerald	Cambrault	11000
Eleni	Zlotkey	10500
Peter	Tucker	10000
David	Bernstein	9500
Peter	Hall	9000
Christopher	Olsen	8000
Nanette	Cambrault	7500
Oliver	Tuvault	7000
Janette	King	10000
Patrick	Sully	9500
Allan	McEwen	9000
Lindsey	Smith	8000
Louise	Doran	7500
Sarath	Sewall	7000

Amit	Banda	6200
Lisa	Ozer	11500
Harrison	Bloom	10000
Tayler	Fox	9600
William	Smith	7400
Elizabeth	Bates	7300
Sundita	Kumar	6100
Ellen	Abel	11000
Alyssa	Hutton	8800
Jonathon	Taylor	8600
Jack	Livingston	8400
Kimberely	Grant	7000
Charles	Johnson	6200

35 rows returned in 0.00 seconds CSV Export

9. **Write a query in SQL to display the full name (first and last), the phone number and email separated by hyphen, and salary, for those employees whose salary is within the range of 9000 and 17000.**

```
SELECT first_name, last_name, salary, phone_number, email
FROM employees
WHERE salary BETWEEN 9000 AND 17000;
```

FIRST_NAME	LAST_NAME	SALARY	PHONE_NUMBER	EMAIL
Neena	Kochhar	17000	515.123.4568	NKOCHHAR
Lex	De Haan	17000	515.123.4569	LDEHAAN
Alexander	Hunold	9000	590.423.4567	AHUNOLD
Nancy	Greenberg	12000	515.124.4569	NGREENBE
Daniel	Faviet	9000	515.124.4169	DFAVIET
Den	Raphaely	11000	515.127.4561	DRAPHEAL
John	Russell	14000	011.44.1344.429268	JRUSSEL
Karen	Partners	13500	011.44.1344.467268	KPARTNER
Alberto	Errazuriz	12000	011.44.1344.429278	AERRAZUR
Gerald	Cambrault	11000	011.44.1344.619268	GCAMBRAU
Eleni	Zlotkey	10500	011.44.1344.429018	EZLOTKEY
Peter	Tucker	10000	011.44.1344.129268	PTUCKER
David	Bernstein	9500	011.44.1344.345268	DBERNSTE
Peter	Hall	9000	011.44.1344.478968	PHALL
Janette	King	10000	011.44.1345.429268	JKING

Allan	McEwen	9000	011.44.1345.829268	AMCEWEN
Clara	Vishney	10500	011.44.1346.129268	CVISHNEY
Danielle	Greene	9500	011.44.1346.229268	DGREENE
Lisa	Ozer	11500	011.44.1343.929268	LOZER
Harrison	Bloom	10000	011.44.1343.829268	HBLOOM
Tayler	Fox	9600	011.44.1343.729268	TFOX
Ellen	Abel	11000	011.44.1644.429267	EABEL
Michael	Hartstein	13000	515.123.5555	MHARTSTE
Hermann	Baer	10000	515.123.8888	HBAER
Shelley	Higgins	12000	515.123.8080	SHIGGINS

26 rows returned in 0.02 seconds CSV Export

10. **Write a query in SQL to display the first and last name, and salary for those employees whose first name is ending with the letter m.**

```
SELECT first_name, last_name, salary
FROM employees
WHERE first_name LIKE '%m';
```

FIRST_NAME	LAST_NAME	SALARY
Adam	Fripp	8200
Payam	Kaufling	7900
William	Smith	7400
William	Gietz	8300

4 rows returned in 0.00 seconds CSV Export