DMV Assignment 2 - Queries

Shayan - 27027

1. Display all the order-related information for the orders in 2013 and above.

Select *
from OEHR_ORDERS
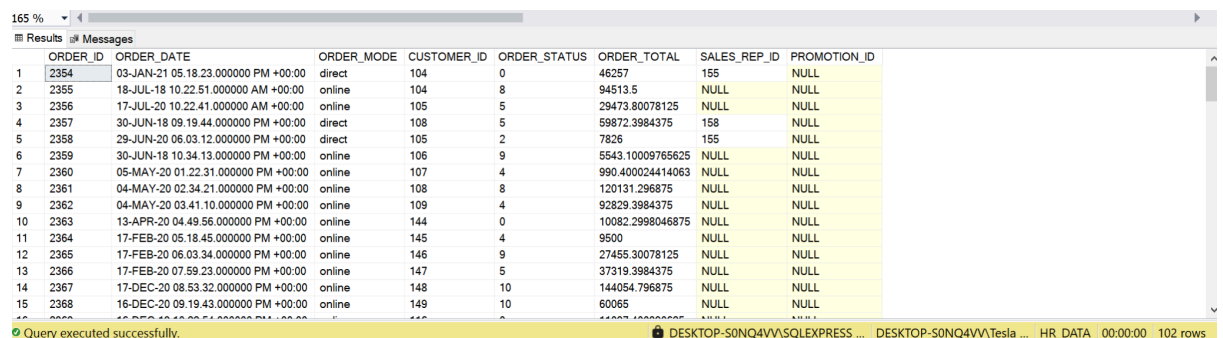**where year(cast(substring(Order_date, 1, 9) AS date)) >= '2013'**

OR

Select *
from OEHR_ORDERS
where cast(substring(Order_date, 1, 9) AS date) >= '01-01-2013'

```
This extracts the first 9 characters from 'order_date' and casts it a

Select *
from OEHR_ORDERS
where year(cast(substring(Order_date, 1, 9) AS date)) >= '2013'

Select *
from OEHR_ORDERS
where cast(substring(Order_date, 1, 9) AS date) >= '01-01-2013'
```
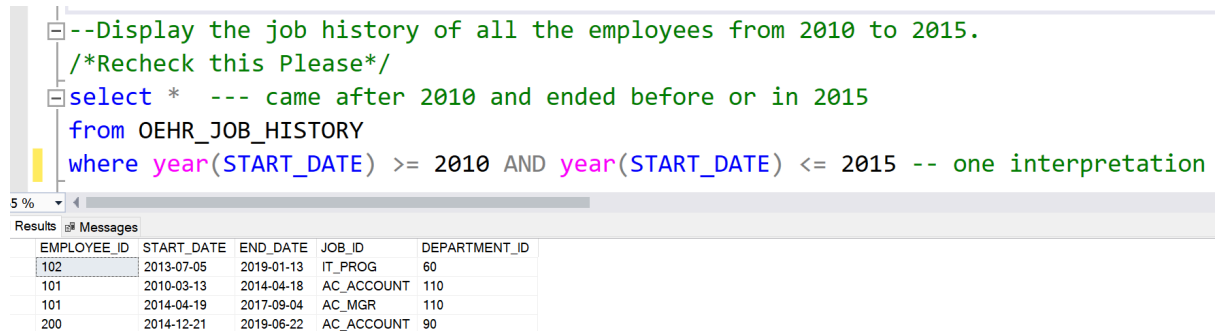
	ORDER_ID	ORDER_DATE	ORDER_MODE	CUSTOMER_ID	ORDER_STATUS	ORDER_TOTAL	SALES_REP_ID	PROMOTION_ID
1	2354	03-JAN-21 05.18.23.000000 PM +00:00	direct	104	0	46257	155	NULL
2	2355	18-JUL-18 10.22.51.000000 AM +00:00	online	104	8	94513.5	NULL	NULL
3	2356	17-JUL-20 10.22.41.000000 AM +00:00	online	105	5	29473.80078125	NULL	NULL
4	2357	30-JUN-18 09.19.44.000000 PM +00:00	direct	108	5	59872.3984375	158	NULL
5	2358	29-JUN-20 06.03.12.000000 PM +00:00	direct	105	2	7826	155	NULL
6	2359	30-JUN-18 10.34.13.000000 PM +00:00	online	106	9	5543.10009765625	NULL	NULL
7	2360	05-MAY-20 01.22.31.000000 PM +00:00	online	107	4	990.400024414063	NULL	NULL
8	2361	04-MAY-20 02.34.21.000000 PM +00:00	online	108	8	120131.296875	NULL	NULL
9	2362	04-MAY-20 03.41.10.000000 PM +00:00	online	109	4	92829.3984375	NULL	NULL
10	2363	13-APR-20 04.49.56.000000 PM +00:00	online	144	0	10082.2998046875	NULL	NULL
11	2364	17-FEB-20 05.18.45.000000 PM +00:00	online	145	4	9500	NULL	NULL
12	2365	17-FEB-20 06.03.34.000000 PM +00:00	online	146	9	27455.30078125	NULL	NULL
13	2366	17-FEB-20 07.59.23.000000 PM +00:00	online	147	5	37319.3984375	NULL	NULL
14	2367	17-DEC-20 08.53.32.000000 PM +00:00	online	148	10	144054.796875	NULL	NULL
15	2368	16-DEC-20 09.19.43.000000 PM +00:00	online	149	10	60065	NULL	NULL

Query executed successfully. DESKTOP-S0NQ4VV\SQLEXPRESS ... DESKTOP-S0NQ4VV\Tesla ... HR_DATA 00:00:00 102 rows

2. Display the job history of all the employees from 2010 to 2015.

select *
from OEHR_JOB_HISTORY
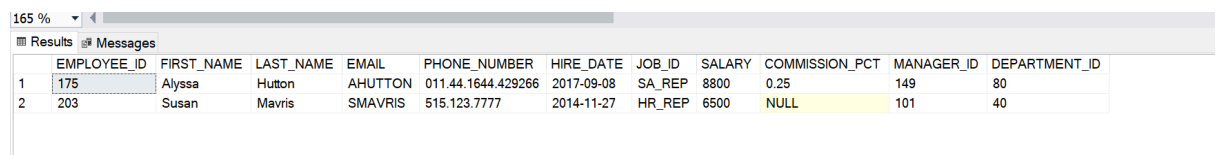**where (year(START_DATE) >= 2010 AND year(Start_DATE) <= 2015)**

```
--Display the job history of all the employees from 2010 to 2015.
/*Recheck this Please*/
select *   --- came after 2010 and ended before or in 2015
from OEHR_JOB_HISTORY
where year(START_DATE) >= 2010 AND year(START_DATE) <= 2015 -- one interpretation
```

5 %

Results Messages

EMPLOYEE_ID	START_DATE	END_DATE	JOB_ID	DEPARTMENT_ID
102	2013-07-05	2019-01-13	IT_PROG	60
101	2010-03-13	2014-04-18	AC_ACCOUNT	110
101	2014-04-19	2017-09-04	AC_MGR	110
200	2014-12-21	2019-06-22	AC_ACCOUNT	90

3. Display all employee related information for employees whose firstname contains two "s" at any position. Two "s" may or may not be together, you have to show in both cases.

select *
from OEHR_EMPLOYEES
where FIRST_NAME like '%s%s%' or FIRST_NAME like '%ss%'

```
select *
from OEHR_EMPLOYEES
where FIRST_NAME like '%s%s%' or FIRST_NAME like '%ss%'
```

165 %

Results Messages

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	175	Alyssa	Hutton	AHUTTON	011.44.1644.429266	2017-09-08	SA_REP	8800	0.25	149	80
2	203	Susan	Mavris	SMAVRIS	515.123.7777	2014-11-27	HR_REP	6500	NULL	101	40

4. Show only the employee with the lowest salary in department 90, within the salary range of 5000 to 30000.

select Top 1 *
from OEHR_EMPLOYEES
where Salary between 5000 AND 30000 and DEPARTMENT_ID = '90'
order by salary

```
select Top 1 *
from OEHR_EMPLOYEES
where Salary between 5000 AND 30000 and DEPARTMENT_ID = '90'
order by salary
```

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	101	Neena	Kochhar	NKOCHHAR	515.123.4568	2010-03-13	AD_VP	17000	NULL	100	90

5. ## Show All employees hired on the first of every month or on the third of every month, but not both.

select *
from OEHR_EMPLOYEES
WHERE (DAY(HIRE_DATE)='01' AND DAY(HIRE_DATE) <> '03') or
(DAY(HIRE_DATE) <>'01' AND DAY(HIRE_DATE) = '03')

```
select *
from OEHR_EMPLOYEES
WHERE (DAY(HIRE_DATE)='01' AND DAY(HIRE_DATE) <> '03' ) or (DAY(HIRE_DATE) !='01' AND DAY(HIRE
```

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	123	Shanta	Vollman	SVOLLMAN	650.123.4234	2018-04-01	ST_MAN	6500	NULL	100	50
2	137	Renske	Ladwig	RLADWIG	650.121.1234	2016-01-03	ST_CLERK	3600	NULL	123	50
3	162	Clara	Vishney	CVISHNEY	011.44.1346.129268	2018-05-03	SA_REP	10500	0.25	147	80

6. ## Show all the customers that live in the city which name contains an "a" but not double "aa" together.

select *
from OEHR_CUSTOMERS
where city like '%a%' and city not like '%aa%'

```
select *
from OEHR_CUSTOMERS
where city like '%a%' and city not like '%aa%'
```

7. ## Show all the customers who have not registered their email on Gmail.

select *
from OEHR_CUSTOMERS
WHERE CUST_EMAIL Not LIKE '%gmail.com'

```
-- Show all the customers who have not registered their email on Gmail.
select *
from OEHR_CUSTOMERS
WHERE CUST_EMAIL Not LIKE '%gmail.com'

--> has no email id
select *
from OEHR_CUSTOMERS
where CUST_EMAIL is null
```

8. ## Show All employees with salary greater than 10000 or department 90, but not both.

select *
from OEHR_EMPLOYEES
where (Salary > 10000 AND DEPARTMENT_ID != '90')
    OR (salary <=10000 and DEPARTMENT_ID = '90')

```sql
select *
from OEHR_EMPLOYEES
where (Salary > 10000 AND DEPARTMENT_ID != '90' )
        OR (salary <=10000 and DEPARTMENT_ID = '90')
```

	EMPLOYEE_ID	FIRST_NAME	LAST_NAME	EMAIL	PHONE_NUMBER	HIRE_DATE	JOB_ID	SALARY	COMMISSION_PCT	MANAGER_ID	DEPARTMENT_ID
1	108	Nancy	Greenberg	NGREENBE	515.124.4569	2015-02-06	FI_MGR	12000	NULL	101	100
2	114	Den	Raphaely	DRAPHEAL	515.127.4561	2015-05-29	PU_MAN	11000	NULL	100	30
3	145	John	Russell	JRUSSEL	011.44.1344.429268	2017-03-23	SA_MAN	14000	0.400000005960464	100	80
4	146	Karen	Partners	KPARTNER	011.44.1344.467268	2017-06-27	SA_MAN	13500	0.300000011920929	100	80
5	147	Alberto	Errazuriz	AERRAZUR	011.44.1344.429278	2017-08-30	SA_MAN	12000	0.300000011920929	100	80
6	148	Gerald	Cambrault	GCAMBRAU	011.44.1344.619268	2020-04-05	SA_MAN	11000	0.300000011920929	100	80
7	149	Eleni	Zlotkey	EZLOTKEY	011.44.1344.429018	2020-07-20	SA_MAN	10500	0.200000002980232	100	80
8	162	Clara	Vishney	CVISHNEY	011.44.1346.129268	2018-05-03	SA_REP	10500	0.25	147	80
9	168	Lisa	Ozer	LOZER	011.44.1343.929268	2017-08-31	SA_REP	11500	0.25	148	80
10	174	Ellen	Abel	EABEL	011.44.1644.429267	2016-10-31	SA_REP	11000	0.300000011920929	149	80
11	201	Michael	Hartstein	MHARTSTE	515.123.5555	2016-08-08	MK_MAN	13000	NULL	100	20
12	205	Shelley	Higgins	SHIGGINS	515.123.8080	2014-11-27	AC_MGR	12000	NULL	101	110

Query executed successfully.   DESKTOP-S0NQ4VV\SQLEXPRESS ...   DESKTOP-S0NQ4VV\Tesla ...   HR_DATA   00:00:00   12 rows

9. **Give me all the orders where order mode is "direct" and order status is 1, also display in the same query where order total is above 2000 regardless of the first condition.**

select *
from OEHR_ORDERS
where (ORDER_MODE = 'direct' and ORDER_STATUS = '1') OR (ORDER_TOTAL > 2000)

```sql
select *
from OEHR_ORDERS
where (ORDER_MODE = 'direct' and ORDER_STATUS = '1') OR (ORDER_TOTAL > 2000)
```

	ORDER_ID	ORDER_DATE	ORDER_MODE	CUSTOMER_ID	ORDER_STATUS	ORDER_TOTAL	SALES_REP_ID	PROMOTION_ID
1	2354	03-JAN-21 05.18.23.000000 PM +00:00	direct	104	0	46257	155	NULL
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Query executed successfully.   DESKTOP-S0NQ4VV\SQLEXPRESS ...   DESKTOP-S0NQ4VV\Tesla ...   HR_DATA   00:00:00   87 rows