SQL Learning from scratch

-- set 4

```
-- TOP
-- IN
-- LTRIM
-- RTRIM
-- CASE, WHEN, THEN
```

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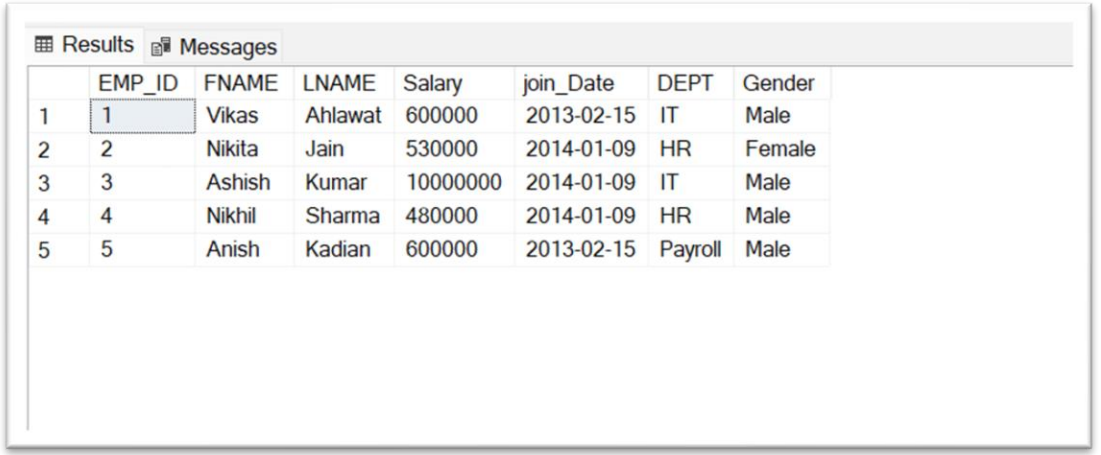
Query

- `-- 1. write a query to get all employee`
- `select * from EMP;`

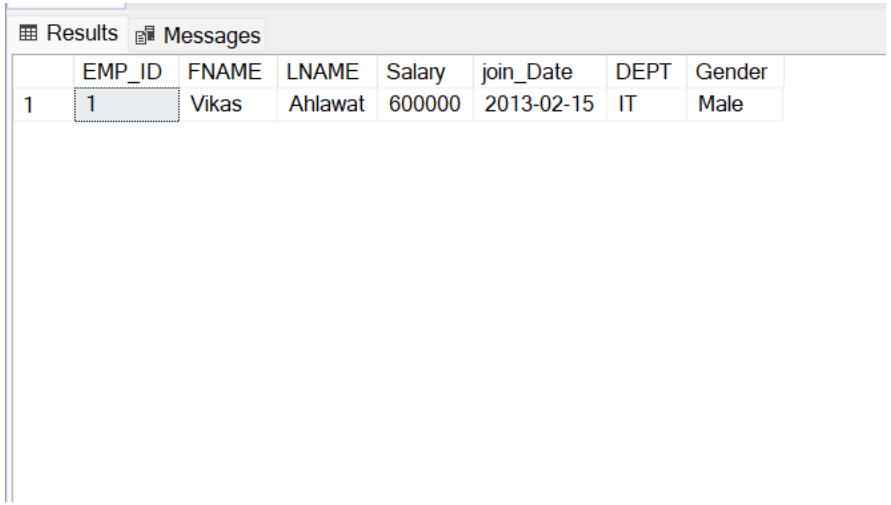


Results Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male
2	2	Nikita	Jain	530000	2014-01-09	HR	Female
3	3	Ashish	Kumar	10000000	2014-01-09	IT	Male
4	4	Nikhil	Sharma	480000	2014-01-09	HR	Male
5	5	Anish	Kadian	600000	2013-02-15	Payroll	Male

Query_1

```
-- 1. print top 1 record
select top 1 *
From emp;
```



Results Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male

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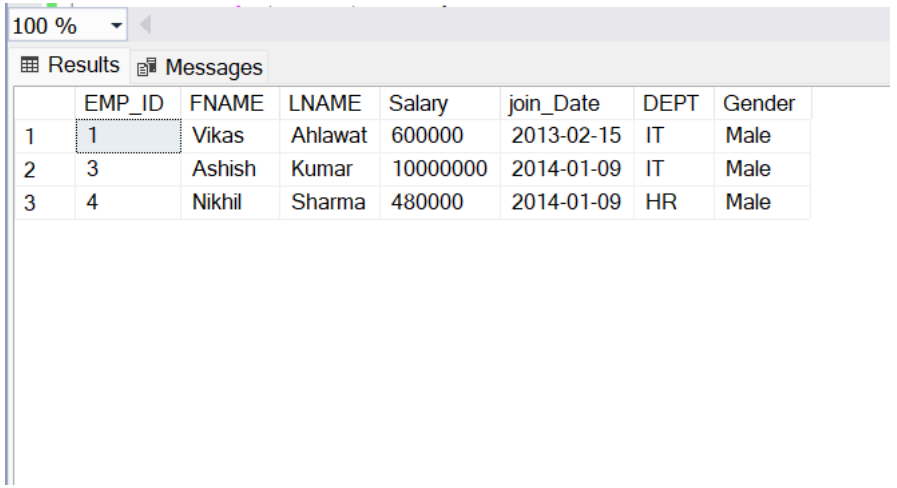
Query_2

```
-- 2. select all emp with name 'Vikas', 'Ashish', and 'Nikhil'
select *
from emp
where fname in ('VIkas', 'Ashish', 'Nikhil')
```



	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male
2	3	Ashish	Kumar	10000000	2014-01-09	IT	Male
3	4	Nikhil	Sharma	480000	2014-01-09	HR	Male

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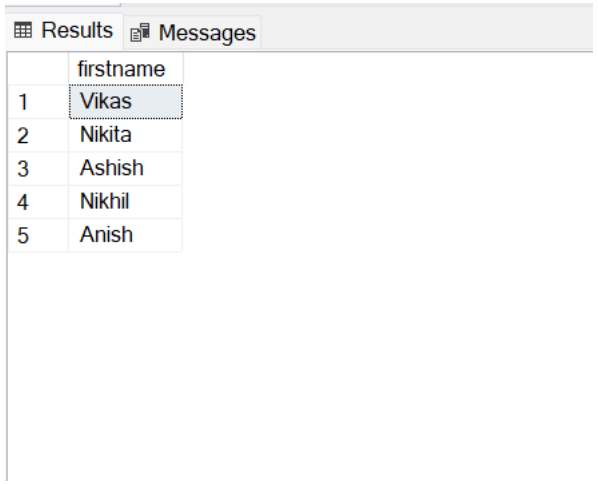
Query_3

- `-- 3. remove white space at right side`
- `select RTrim(fname) as firstname from emp`



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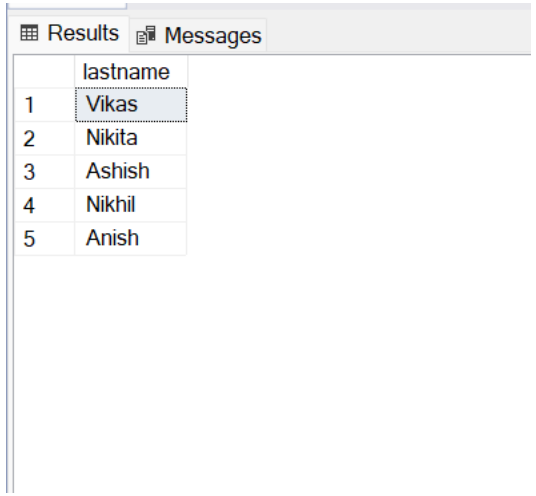
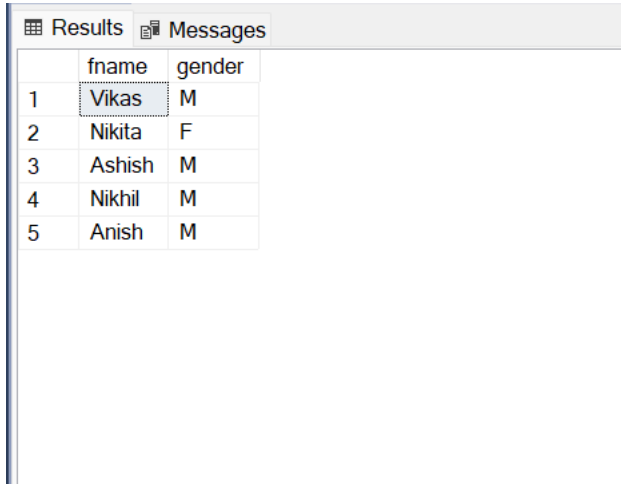
Query_4

- `-- 4. removing the white space from left side`
- `select ltrim(fname) as lastname from emp`



Query_5

```
-- 5. print firstname and the gender as M and F.
select fname,
case
when gender = 'male' then 'M'
when gender = 'Female' then 'F'
END as gender
FROM emp;
```



Results | Messages

	fname	gender
1	Vikas	M
2	Nikita	F
3	Ashish	M
4	Nikhil	M
5	Anish	M

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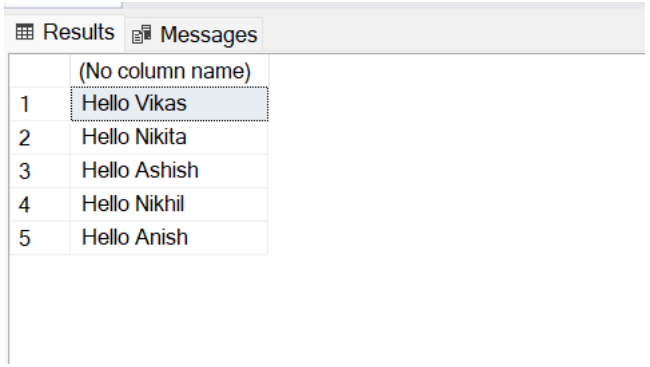
Query_6

```
-- 6. Print firstname with pre-text "Hello"
select 'Hello ' + fname
FROM emp
```



Results | Messages

	(No column name)
1	Hello Vikas
2	Hello Nikita
3	Hello Ashish
4	Hello Nikhil
5	Hello Anish

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Query_7

```
-- 7. Print employee name salary greater > 60000
select *
FROM emp
where salary > 600000
```

Results | Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	3	Ashish	Kumar	10000000	2014-01-09	IT	Male

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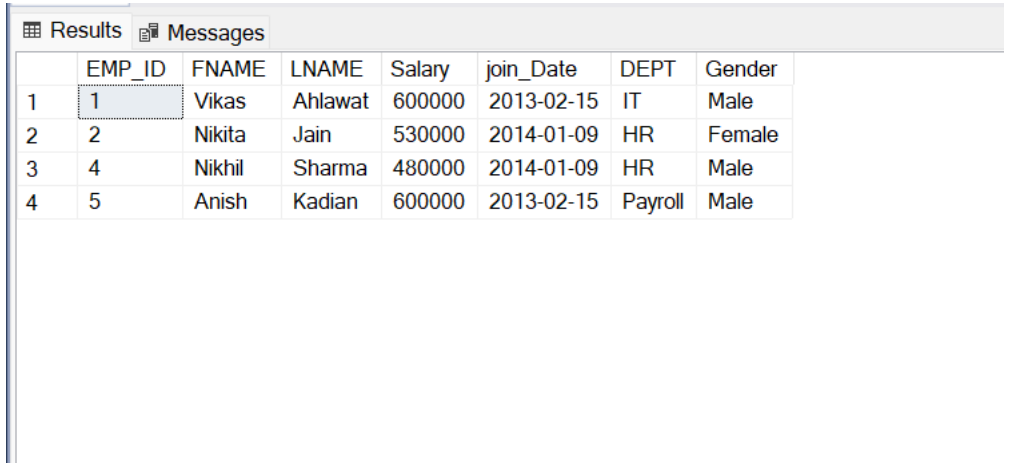
Query_8

- -- 8. Print employees name salary lesser < 70000
- select *
- FROM emp
- where salary < 700000



Results Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male
2	2	Nikita	Jain	530000	2014-01-09	HR	Female
3	4	Nikhil	Sharma	480000	2014-01-09	HR	Male
4	5	Anish	Kadian	600000	2013-02-15	Payroll	Male

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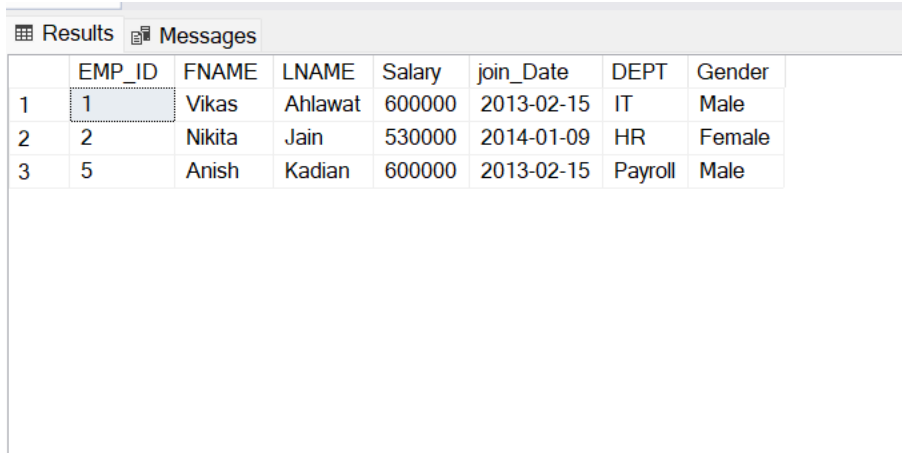
Query_9

```
-- 9. print employees name salary > 50000 and < 60000
select *
from emp
where salary between 500000 and 600000
```



Results | Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male
2	2	Nikita	Jain	530000	2014-01-09	HR	Female
3	5	Anish	Kadian	600000	2013-02-15	Payroll	Male

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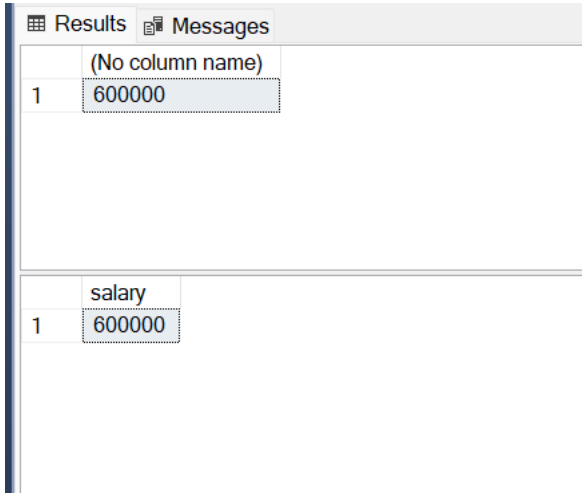
Query_10

```
-- 10. Print second highest salary from emp
select max(salary) from emp
where salary < (select max(salary) from emp)
-- or
select top 1 salary from
(select top 2 salary
from emp
order by salary desc)
salary order by salary ASC
```



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