
SQL Learning from scratch

-- set 3

-- DatePart()
-- GetDate()
-- GetUTCDate()
-- Between
-- AND



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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



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Query_1

- -- only year of join date
- `select DatePart(Year, join_Date)`
`FROM emp;`

Results Messages	
(No column name)	
1	2013
2	2014
3	2014
4	2014
5	2013



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Query_2

- -- Get only month of the employee
- `select DatePart(MONTH, Join_Date)`
`FROM emp;`

Results Messages	
	(No column name)
1	2
2	1
3	1
4	1
5	2



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Query_3

- -- 3. Get system Date
- Select `GETDATE()`;

Results Messages	
	(No column name)
1	2023-06-03 17:23:34.140



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Query_4

- -- 4. GET UTC Date
- select GETutcDate()

! Results Messages	
(No column name)	
2023-06-03 21:24:07.033	



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Query_5

- -- 5. print firstname, current_Date, Join_Date, difference between both dates in months
- ```
select Fname,
GETDATE() as Curent_Date,
Join_Date,
DATEDIFF(month, join_Date,
GetDate()) as Months
from EMP
```

| Results |        | Messages                |            |        |
|---------|--------|-------------------------|------------|--------|
|         | Fname  | Curent_Date             | Join_Date  | Months |
| 1       | Vikas  | 2023-06-03 17:26:33.007 | 2013-02-15 | 124    |
| 2       | Nikita | 2023-06-03 17:26:33.007 | 2014-01-09 | 113    |
| 3       | Ashish | 2023-06-03 17:26:33.007 | 2014-01-09 | 113    |
| 4       | Nikhil | 2023-06-03 17:26:33.007 | 2014-01-09 | 113    |
| 5       | Anish  | 2023-06-03 17:26:33.007 | 2013-02-15 | 124    |



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# Query\_6

- -- 6. print firstname, current\_Date, Join\_Date, difference between both dates in months
- ```
select Fname,  
Getdate() as Curent_Date,  
join_Date,  
DateDIFF(DD, join_Date,  
GetUTCDate()) as Days  
FROM emp
```

Results Messages				
	fname	Curent_Date	join_Date	Days
1	Vikas	2023-06-03 17:27:04.380	2013-02-15	3760
2	Nikita	2023-06-03 17:27:04.380	2014-01-09	3432
3	Ashish	2023-06-03 17:27:04.380	2014-01-09	3432
4	Nikhil	2023-06-03 17:27:04.380	2014-01-09	3432
5	Anish	2023-06-03 17:27:04.380	2013-02-15	3760



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Query_7

- -- 7. Get all emp since 2013
- `select * from emp`
`where DATEPART(yyyy, join_date) >`
`2013;`

Results Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender	
1	2	Nikita	Jain	530000	2014-01-09	HR	Female	
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_8

- -- 8. Print all emp joined on Jan.
- `select * from EMP`
`where DatePart(mm, join_Date) = 1;`

Results		Messages					
	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	2	Nikita	Jain	530000	2014-01-09	HR	Female
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_9

- -- 9. print all EMP having join_date between 2013-01-01 and 2013-12-01
- `select * from EMP`
`Where JOIN_Date Between`
`'2013-01- 01' AND '2013-12-01'`

Results

Messages

	EMP_ID	FNAME	LNAME	Salary	join_Date	DEPT	Gender
1	1	Vikas	Ahlawat	600000	2013-02-15	IT	Male
2	5	Anish	Kadian	600000	2013-02-15	Payroll	Male



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Query_10

- -- 6. Print number of emp
- `select count (*) from emp;`

Results Messages	
(No column name)	
1	5



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