Instead of this...

```
SELECT emp_id
,CASE
    when day_num =1 then 'Monday'
    when day_num = 2 then 'Tuesday'
    when day_num = 3 then 'Wednesday'
    when day_num = 4 then 'Thursday'
    when day_num = 5 then 'Friday'
    when day_num = 6 then 'Saturday'
    when day_num = 7 then 'Sunday'
    else 'error'
    END AS day_str
 from test
```

emp_id	day_str
1001	Monday
1002	Tuesday
1003	Wednesday
1004	Thursday
1005	Friday
1006	Saturday
1007	Sunday

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Create a lookup table which <u>maps</u> num days with days

```
create table lookup_table
( day_str VARCHAR ,
day_num INTEGER )

Insert into lookup_table (
 Select 'Monday' as day_str,1 as day_num UNION ALL
Select 'Tuesday' as day_str,2 as day_num UNION ALL
Select 'Wednesday' as day_str,3 as day_num UNION
ALL Select 'Thursday' as day_str,4 as day_num UNION
ALL Select 'Friday' as day_str,5 as day_num UNION
ALL Select 'Saturday' as day_str,6 as day_num UNION
ALL Select 'Sunday' as day_str,7 as day_num )
```

day_str	day_num
Monday	1
Tuesday	2
Wednesday	3
Thursday	4
Friday	5
Saturday	6
Sunday	7

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Join both the tables

Select
   test.*
   ,lookup_table.day_str from test
LEFT JOIN lookup_table
   ON test.day_num = lookup_table.day_num

emp_id	day_num	day_str
1001	1	Monday
1002	2	Tuesday
1003	3	Wednesday
1004	4	Thursday
1005	5	Friday
1006	6	Saturday
1007	7	Sunday

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Thank You !!

Allan Brian Fernandes