

Day97 - May12th 2024

1. Started my as usual
2. Solved a problem on leetcode **102. Binary Tree Level Order Traversal**
3. Please find my solution and intuition here :  
[https://docs.google.com/document/d/1bsr\\_FUaV4ZYg3AcHjahuuox0hMkA\\_naC9D59wb8Fi\\_U/edit?usp=sharing](https://docs.google.com/document/d/1bsr_FUaV4ZYg3AcHjahuuox0hMkA_naC9D59wb8Fi_U/edit?usp=sharing)

#### 4. Ended my day by solving a complex SQL from youtube

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
ticket_count INT  
);  
  
INSERT INTO tickets (airline_number, origin, destination, oneway_round, ticket_count)  
VALUES  
( 'DEF456', 'BOM', 'DEL', 'O', 150),  
( 'GH789', 'DEL', 'BOM', 'R', 50),  
( 'JKL012', 'BOM', 'DEL', 'R', 75),  
( 'MNO345', 'DEL', 'NYC', 'O', 200),  
( 'PQR678', 'NYC', 'DEL', 'O', 180),  
( 'STU901', 'NYC', 'DEL', 'R', 60),  
( 'ABC123', 'DEL', 'BOM', 'O', 100),  
( 'VWX234', 'DEL', 'NYC', 'R', 90);  
  
select * from tickets
```

Below the query editor, the Results pane displays the output of the query:

airline_number	origin	destination	oneway_round	ticket_count
DEF456	BOM	DEL	O	150
GH789	DEL	BOM	R	50
JKL012	BOM	DEL	R	75
MNO345	DEL	NYC	O	200
PQR678	NYC	DEL	O	180
STU901	NYC	DEL	R	60
ABC123	DEL	BOM	O	100
VWX234	DEL	NYC	R	90

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (64) master 00:00:00 8 rows".

The screenshot shows the Microsoft SQL Server Management Studio interface. The query editor contains the following SQL code:

```
--Busiest Route : More number of ticket Counts  
  
select origin,destination,sum(ticket_count) as ticket_count  
from (  
select origin,destination,ticket_count from tickets  
union  
select destination,origin,ticket_count from tickets  
where oneway_round = 'R') q  
group by origin,destination  
order by ticket_count desc
```

Below the query editor, the Results pane displays the output of the query:

origin	destination	ticket_count
DEL	NYC	350
NYC	DEL	330
BOM	DEL	275
DEL	BOM	225

The status bar at the bottom indicates "Query executed successfully." and "KAUSHI\SQLEXPRESS (16.0 RTM) KAUSHI\jamka (64) master 00:00:00 4 rows".

#### 5.