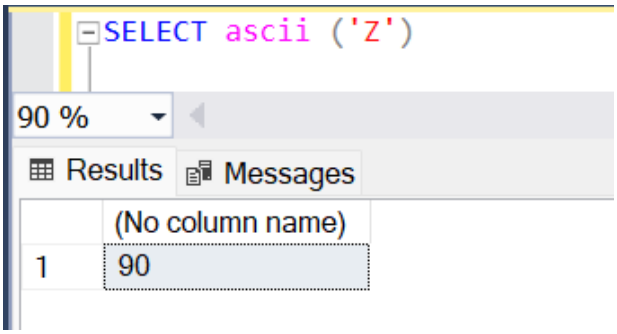
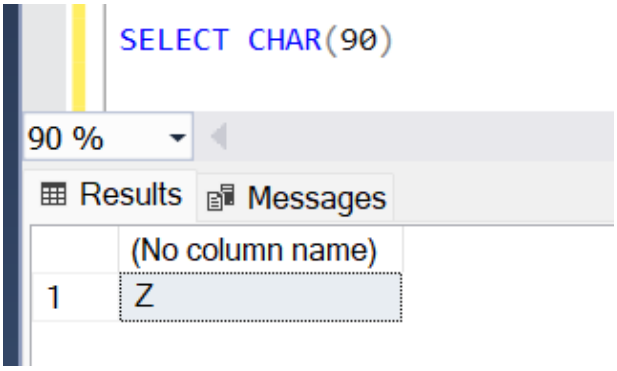
DAY 3 ASSIGNMENT

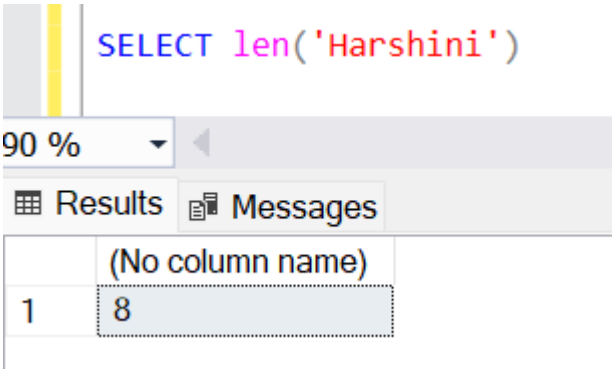
HANDS ON

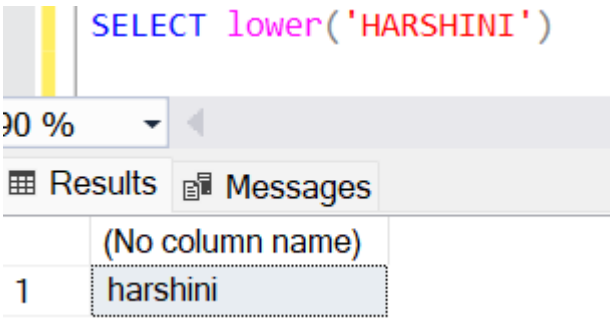
- HARSHINI V

1. Functions:









```
SELECT upper('harshini')
```

90 %

Results | Messages

	(No column name)
1	HARSHINI

```
SELECT replace('harshini','h','H')
```

90 %

Results | Messages

	(No column name)
1	HarsHini

```
SELECT reverse('Harshini')
```

90 %

Results | Messages

	(No column name)
1	inihsraH

```
SELECT str(134.56,6,2)
```

90 %

Results | Messages

	(No column name)
1	134.56

```
SELECT DATEADD(dd,22,'2024-12-22')

SELECT DATEADD(month, 3, '2024-01-01')
```

0 %

Results | Messages

	(No column name)
1	2025-01-13 00:00:00.000

```
SELECT DATEADD(month, 3, '2024-01-01')
```

90 %

Results | Messages

	(No column name)
1	2024-04-01 00:00:00.000

```
SELECT DATEDIFF(day, '2024-01-01', '2024-02-01') AS daydiff
```

90 %

Results | Messages

	daydiff
1	31

```
SELECT DATEDIFF(month, '2024-01-01', '2024-02-01') AS monthdiff

SELECT DATEDIFF(year, '2023-01-01', '2024-02-01') AS yeardiff
```

90 %

Results | Messages

	monthdiff
1	1

```
SELECT DATEDIFF(year, '2023-01-01', '2024-02-01') AS yeardiff
```

90 %

Results | Messages

	yeardiff
1	1

```
SELECT DATEDIFF(dd, '2024-01-01', '2024-02-01') AS daydiff
```

90 %

Results | Messages

	daydiff
1	31

```
SELECT DATEPART(month, '2024-02-15')
```

90 %

Results | Messages

	(No column name)
1	2

```
SELECT DATEPART(year, '2024-02-15')
```

90 %

Results | Messages

	(No column name)
1	2024

```
SELECT MONTH('2024-02-15')
```

90 %

Results | Messages

	(No column name)
1	2

```
SELECT ABS(-100)
```

Results | Messages

	(No column name)
1	100

```
SELECT sin(45)
```

Results | Messages

	(No column name)
1	0.850903524534118

```
SELECT cos(90)
```

Results | Messages

	(No column name)
1	-0.44807361612917

```
SELECT exp(10)
```

Results | Messages

	(No column name)
1	22026.4657948067

```
SELECT log(1)
```

Results | Messages

	(No column name)
1	0

```
SELECT CEILING(13.10)
```

90 %

Results | Messages

	(No column name)
1	14

```
SELECT ROUND(13.222,2)
```

90 %

Results | Messages

	(No column name)
1	13.220

2. Subtotal:

```
SELECT * FROM SalesList

SELECT SalesYear, SUM(SalesTotal) AS SalesTotal FROM SalesList
```

90 %

Results | Messages

	SalesMonth	SalesQuartes	SalesYear	SalesTotal
1	March	Q1	2019	60.00
2	March	Q1	2020	50.00
3	May	Q2	2019	30.00
4	July	Q3	2020	10.00
5	November	Q4	2019	120.00
6	October	Q4	2019	150.00
7	November	Q4	2019	180.00
8	November	Q4	2020	120.00
9	July	Q3	2019	160.00
10	March	Q1	2020	170.00

```
SELECT SalesYear, SUM(SalesTotal) AS SalesTotal FROM SalesList
GROUP BY ROLLUP(SalesYear)
```

90 %

Results | Messages

	SalesYear	SalesTotal
1	2019	700.00
2	2020	350.00
3	NULL	1050.00

```
SELECT SalesYear,SalesQuartes, SUM(SalesTotal) AS SalesTotal
FROM SalesList GROUP BY ROLLUP(SalesYear, SalesQuartes)
```

90 %

Results | Messages

	SalesYear	SalesQuartes	SalesTotal
1	2019	Q1	60.00
2	2019	Q2	30.00
3	2019	Q3	160.00
4	2019	Q4	450.00
5	2019	NULL	700.00
6	2020	Q1	220.00
7	2020	Q3	10.00
8	2020	Q4	120.00
9	2020	NULL	350.00
10	NULL	NULL	1050.00

```
SELECT SalesYear,SalesQuartes,SalesMonth ,SUM(SalesTotal) AS SalesTotal
FROM SalesList GROUP BY ROLLUP(SalesYear, SalesQuartes, SalesMonth)
```

90 %

Results | Messages

	SalesYear	SalesQuartes	SalesMonth	SalesTotal
1	2019	Q1	March	60.00
2	2019	Q1	NULL	60.00
3	2019	Q2	May	30.00
4	2019	Q2	NULL	30.00
5	2019	Q3	July	160.00
6	2019	Q3	NULL	160.00
7	2019	Q4	November	300.00
8	2019	Q4	October	150.00
9	2019	Q4	NULL	450.00
10	2019	NULL	NULL	700.00
11	2020	Q1	March	220.00
12	2020	Q1	NULL	220.00
13	2020	Q3	July	10.00
14	2020	Q3	NULL	10.00
15	2020	Q4	November	120.00
16	2020	Q4	NULL	120.00
17	2020	NULL	NULL	350.00
18	NULL	NULL	NULL	1050.00

```
SELECT SalesMonth,SalesTotal ,
ROW_NUMBER() OVER(ORDER BY NEWID()) AS RowNumber FROM SalesList
```

90 %

Results | Messages

	SalesMonth	SalesTotal	RowNumber
1	July	160.00	1
2	March	60.00	2
3	May	30.00	3
4	October	150.00	4
5	March	170.00	5
6	March	50.00	6
7	November	120.00	7
8	July	10.00	8
9	November	180.00	9
10	November	120.00	10