Important string function in SQL

Topics cover

CONCAT   SUBSTRING

REPLACE   REVERSE

UPPER   LOWER

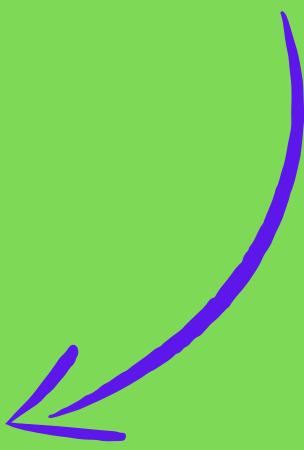**Created by**

in Ashbab khan

Concat in sql
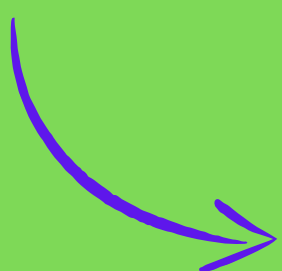
SELECT CONCAT(name,' ',country) as summary FROM EMPLOYEE;

```
empId     name       country
1         Andrew     The UAE
2         David      Australia
3         Sarah      The USA
4         Joseph     Peru
5         Ashbab     India
```
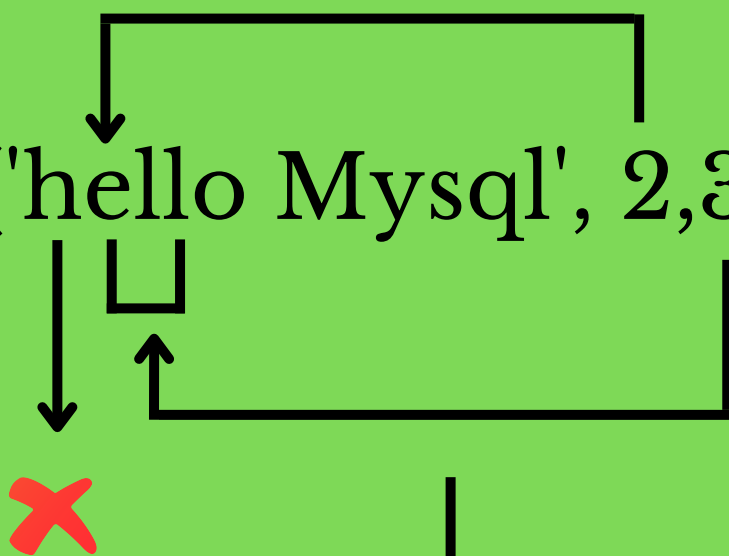
Output

```
summary
Andrew The UAE
David Australia
Sarah The USA
Joseph Peru
Ashbab India
```

Concat function is used to add multiple column or text together just in this example we added name and country together

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Substring in SQL

Select SUBSTRING('hello Mysql', 2,3) as greet;

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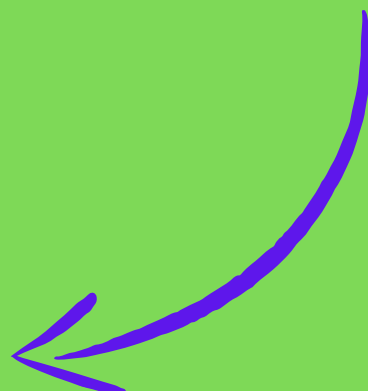Slide for part 2 of substring

Output

```
greet
ell
```

A substring is used for slicing the string for example in the above example, the 2 refers to where to start and 3 refers to how much content to print that's why it shows the output ell.

Substring in SQL

select SUBSTRING(name,1,4) as short_name from EMPLOYEE;

empId	name	country
1	Andrew	The UAE
2	David	Australia
3	Sarah	The USA
4	Joseph	Peru
5	Ashbab	India

short_name
Andr
Davi
Sara
Jose
Ashb

Replace in SQL

Select REPLACE(country,'The','Hello') as country from EMPLOYEE;

```
empId    name      country
1        Andrew    The UAE
2        David     Australia
3        Sarah     The USA
4        Joseph    Peru
5        Ashbab    India
```
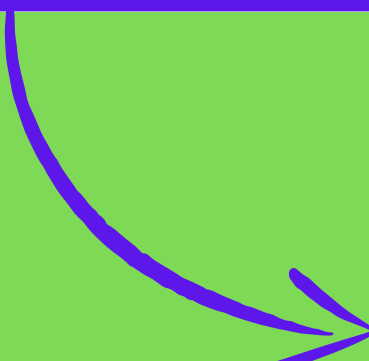
```
Hello UAE
Australia
Hello USA
Peru
India
```

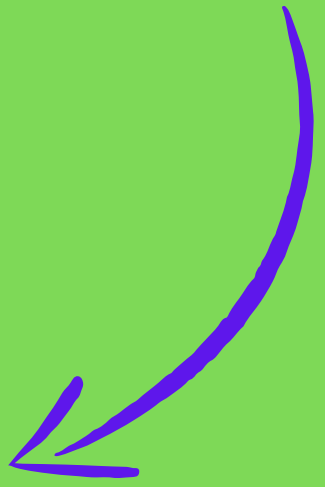**Replace is used to replace some text with another text as above example we replace the The in country with Hello**

in **Ashbab khan**

Reverse in SQL

Select REVERSE(name) as r_name from EMPLOYEE;

empId	name	country
1	Andrew	The UAE
2	David	Australia
3	Sarah	The USA
4	Joseph	Peru
5	Ashbab	India

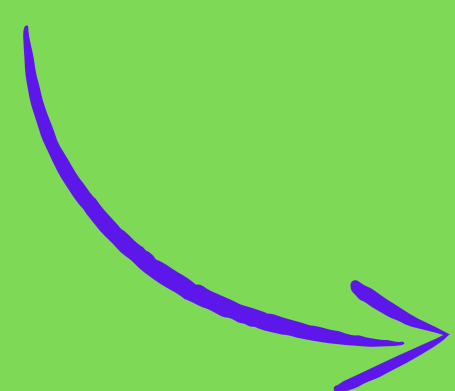| r_name |
| --- |
| werdnA |
| divaD |
| haraS |
| hpesoJ |
| babhsA |

The reverse is used to reverse the text or column in SQL as you see in the above example

Upper in SQL

Select UPPER(name) as u_name from EMPLOYEE;

empId	name	country
1	Andrew	The UAE
2	David	Australia
3	Sarah	The USA
4	Joseph	Peru
5	Ashbab	India

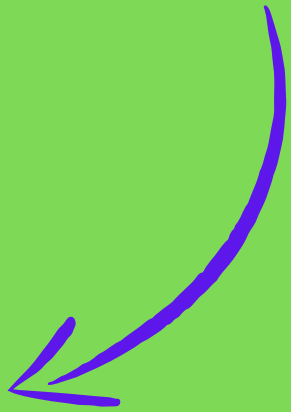| u_name |
|--------|
| ANDREW |
| DAVID |
| SARAH |
| JOSEPH |
| ASHBAB |

The upper syntax is used to upper case all the characters in the column

in **Ashbab khan**
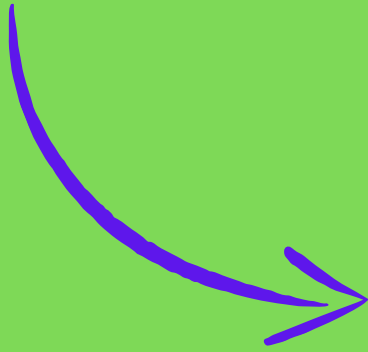
Lower in SQL

Select LOWER(name) as l_name from EMPLOYEE;

empId	name	country
1	Andrew	The UAE
2	David	Australia
3	Sarah	The USA
4	Joseph	Peru
5	Ashbab	India

l_name
andrew
david
sarah
joseph
ashbab

The Lower syntax is used to lower case all the character in SQL