



# SNS COLLEGE OF TECHNOLOGY

Coimbatore-37.

An Autonomous Institution



**COURSE NAME : 19CSE301-INTRODUCTION TO DATA SCIENCE**

**III YEAR/ V SEMESTER**

**UNIT – I DATA SCIENCE LIFE CYCLE**

**Topic: Slicing**

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# Slicing

- A slice in a multidimensional array is a column of data corresponding to a single value for one or more members of the dimension.
- It helps the user to visualize and gather the information specific to a dimension.
- **SUBSTRING** function is one of the built-in function and that helps to obtain a particular character data of the text data in the queries.
- This function is widely used by database developers in the queries, for this reason, we will focus on performance details of this function.



# Syntax

SUBSTRING(string, start, length)

Parameter	Description
string	Required. The string to extract from
start	Required. The start position. The first position in string is 1
length	Required. The number of characters to extract. Must be a positive number

## Example:

Extract 5 characters from the "CustomerName" column, starting in position 1:

```
SELECT SUBSTRING(CustomerName, 1, 5) AS ExtractString  
FROM Customers;
```



# References

- Tom M. Mitchell, “Machine Learning”, McGraw-Hill Education (India) Private Limited, 2013.
- Gareth James, Daniela Witten, Trevor Hastie, Robert Tibshirani, “An Introduction to Statistical Learning: with Applications in R”, Springer; First Edition 2013.



Thank  
You