



ondia

The logo for 'ondia' is centered on a white background. The word is written in a lowercase, rounded sans-serif font. The letters 'o', 'n', and 'd' are a medium purple, while 'i' and 'a' are a darker blue. A light blue and teal graphic element is positioned behind the 'd'. The background features four purple triangular accents in the corners, pointing towards the center.



Relational DB & SQL

Session 12





SQL Programming

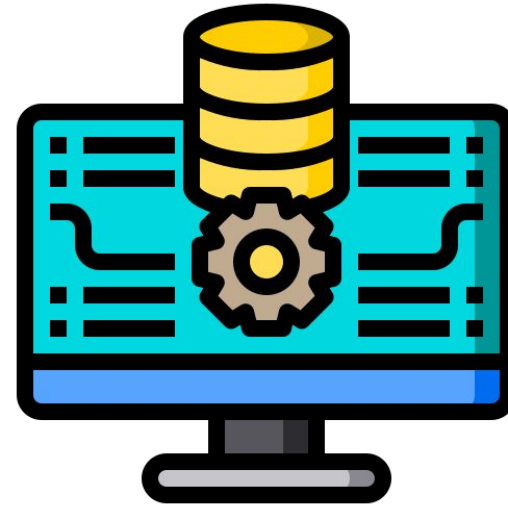


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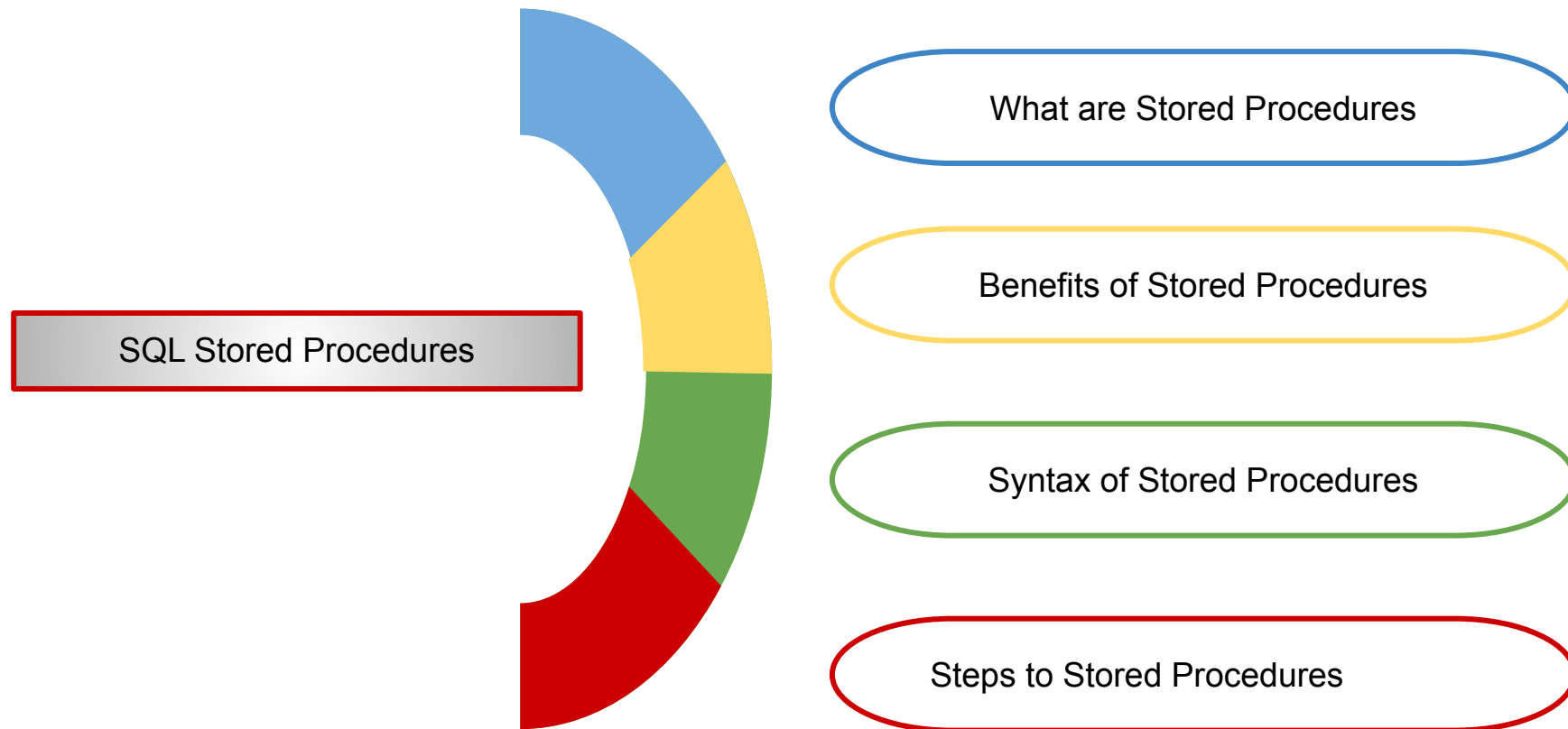


- ▶ Stored Procedures
- ▶ User Valued Functions



Stored Procedures

Stored Procedures



Stored Procedures



What are Stored Procedures

- ❑ SQL Server stored procedure is a batch of statements grouped as a logical unit and stored in the database.
- ❑ The stored procedure accepts the parameters and executes the T-SQL statements in the procedure, returns the result set if any.

Stored Procedures



Benefits of Stored Procedures

Performance

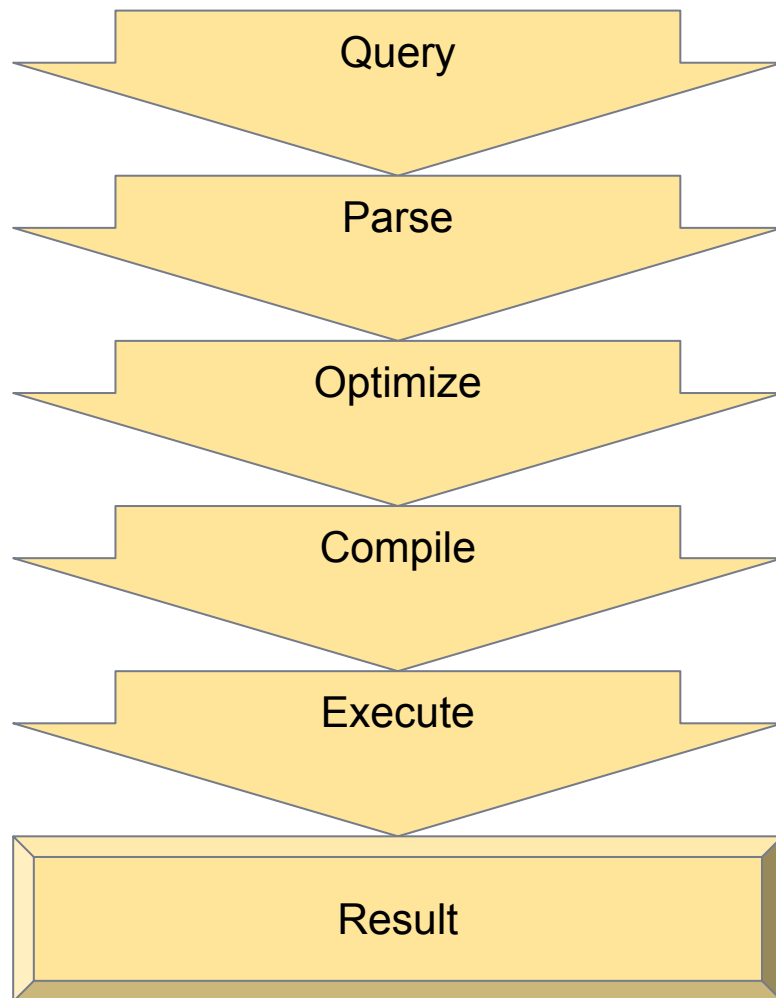
Maintainability

Productivity and Easy to Use

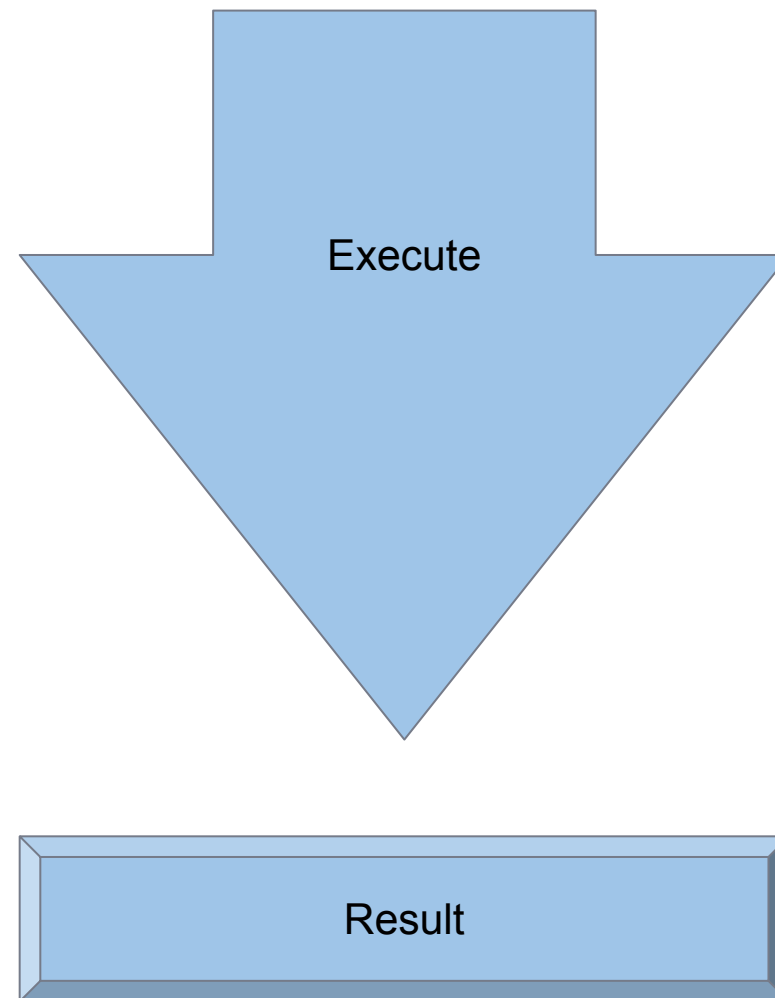
Security



AD-HOC QUERY



STORED PROCEDURE





Syntax of Stored Procedures

Syntax:

```
CREATE PROCEDURE procedure_name  
AS  
sql_statement  
GO;
```

Execution:

```
EXEC procedure_name;
```



Steps to Stored Procedures

Query Time





User Valued Functions

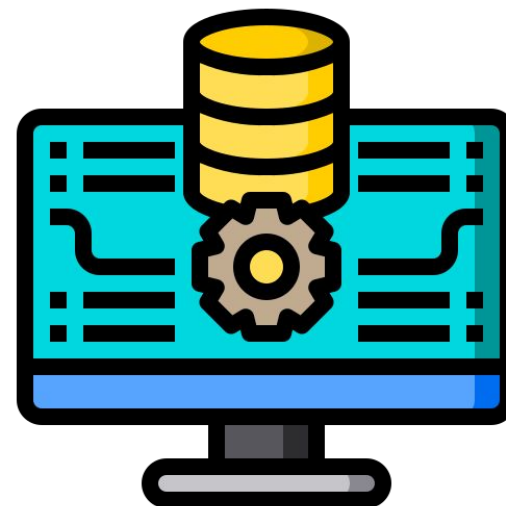




Table-Valued Functions

Syntax:

```
CREATE FUNCTION function_name (@parameter  
type)  
RETURNS TABLE  
AS  
Return sql_statement;
```

Scalar-Valued Functions

Syntax:

```
CREATE FUNCTION function_name (@parameter  
type)  
RETURNS type  
AS  
BEGIN  
    sql_statement  
RETURN value  
END;
```

THANKS!

Any questions?

