



RDB & SQL

Session 12





SQL Programming



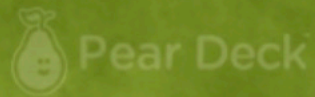
Table of Contents



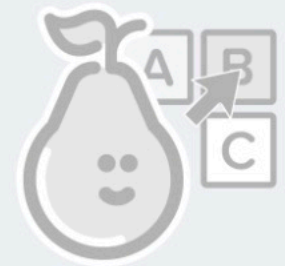
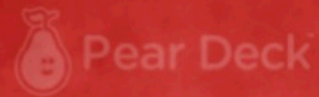
- ▶ Stored Procedures
- ▶ User Valued Functions

I've completed the pre-class content?

True



False



No Multiple Choice Response
You didn't answer this question



Students choose an option

REINVENT YOURSELF

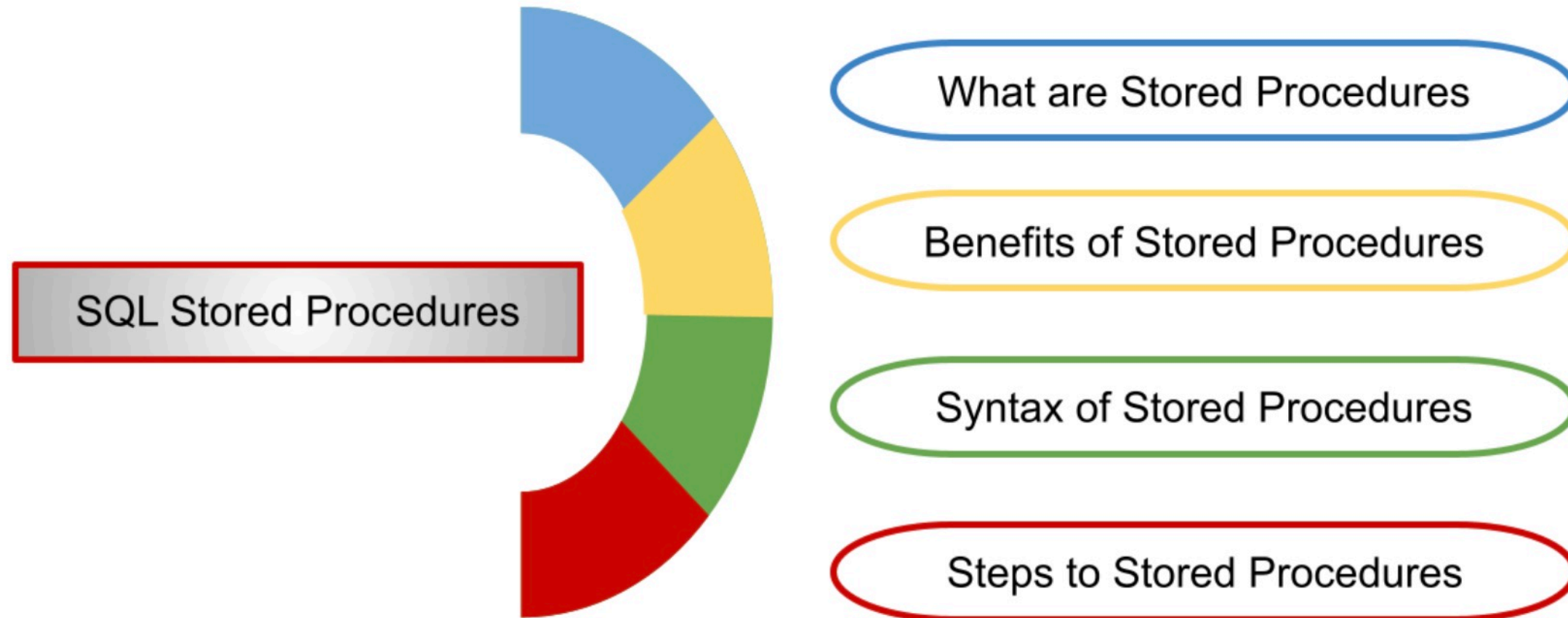
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Store Procedures



► 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

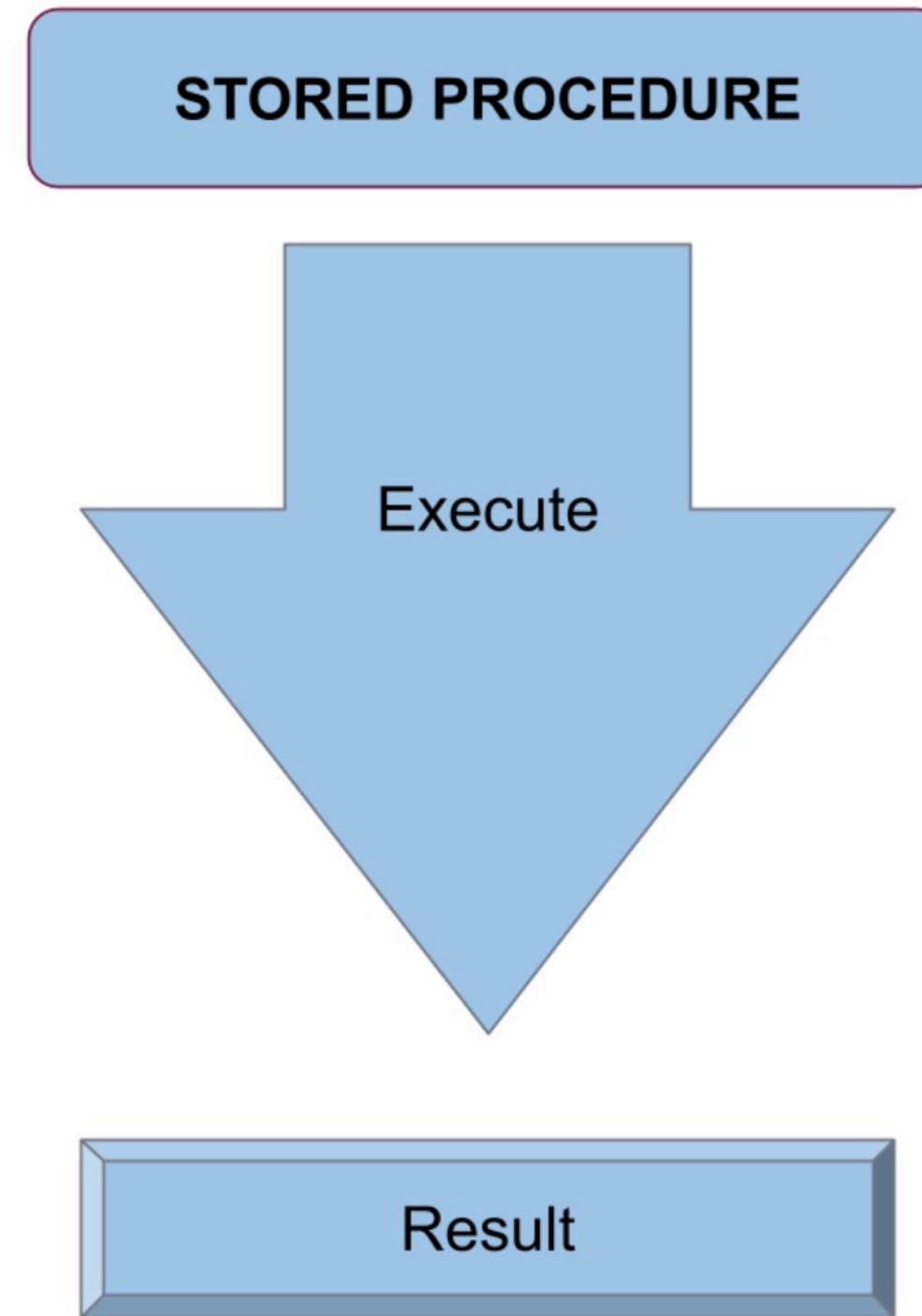
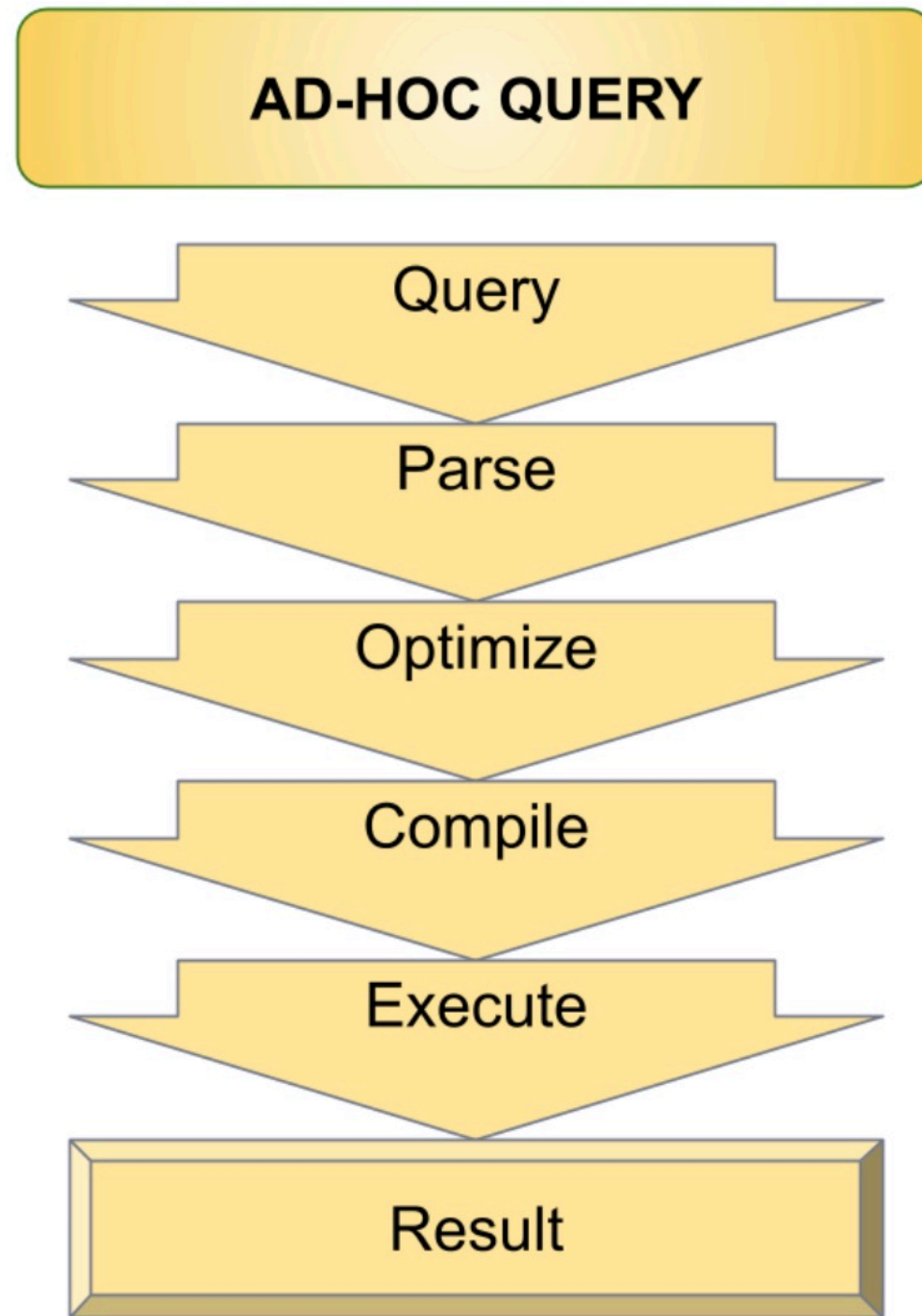
Benefits of Stored Procedures

Performance

Maintainability

Productivity and Easy to Use

Security





► Stored Procedures

Syntax of Stored Procedures

Syntax:

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

To Execute:

```
EXEC procedure_name;
```



► Stored Procedures

Steps to Stored Procedures

Query Time





User Valued Functions





► Functions

Table-Valued Functions

Syntax:

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

Scalar-Valued Functions

Syntax:

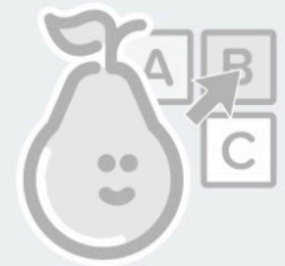
```
CREATE FUNCTION function_name (@parameter  
type)  
RETURNS type  
AS  
BEGIN  
        sql_statement  
RETURN value  
END;
```


Is everything clear so far?



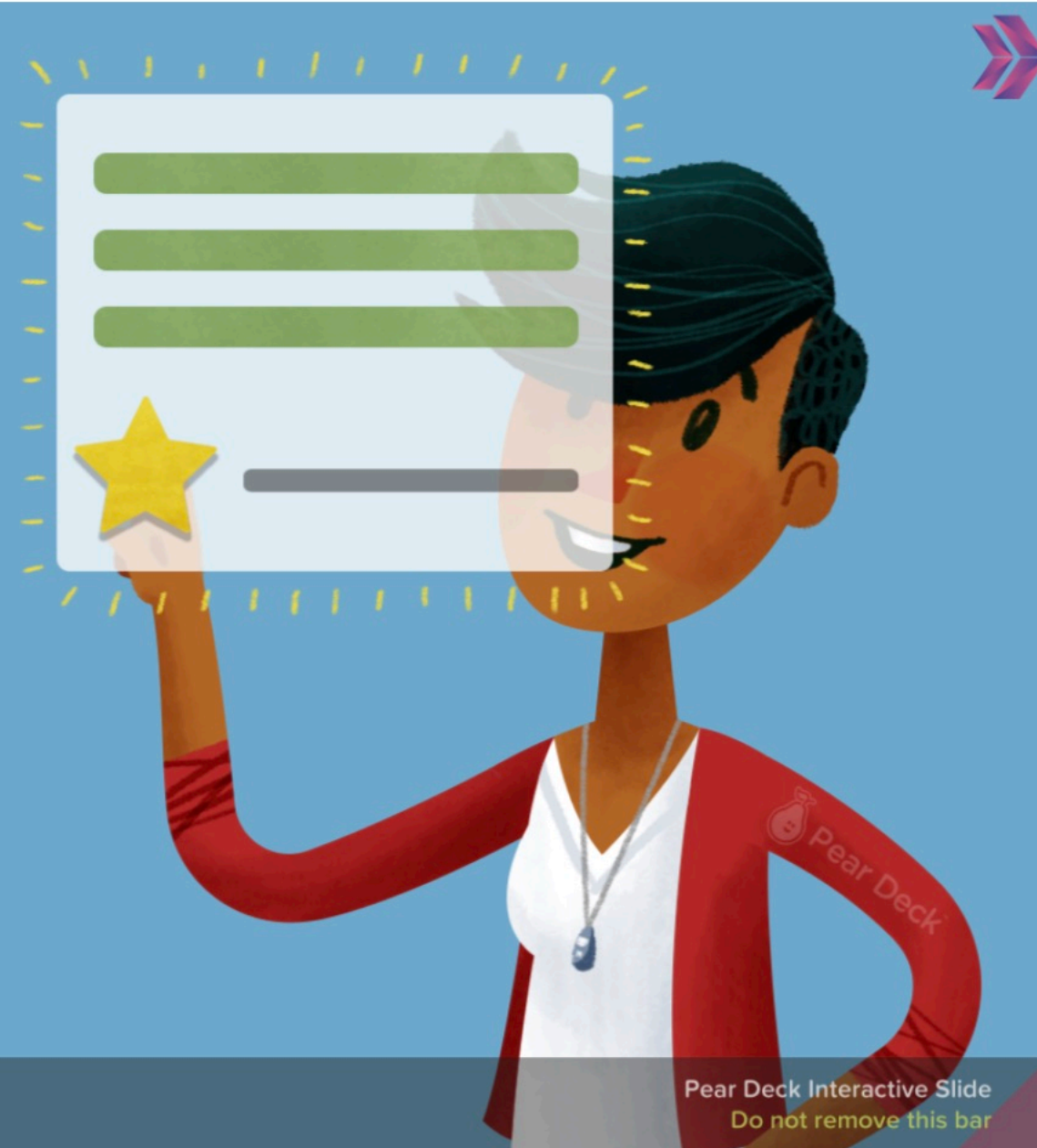
Students choose an option

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No Multiple Choice Response
You didn't answer this question

What is the
database index?
Why do we need
nonclustered
indexes?



Students, write your response!

REINVENT YOURSELF

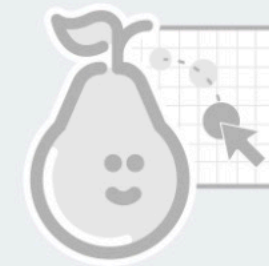
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No Text Response

You didn't answer this question

How well did you like this lesson?



No Draggable™ Response
You didn't answer this question