

</ Stored Procedures

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</ What are Stored Procedures in MYSQL?

A stored procedure is a group of pre-compiled SQL statements (prepared SQL code) that can be reused again and again.

They can be used to perform a wide range of database operations such as inserting, updating, or deleting data, generating reports, and performing complex calculations. Stored procedures are very useful because they allow you to encapsulate (bundle) a set of SQL statements as a single unit and execute them repeatedly with different parameters, making it easy to manage and reuse code.

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</ Features of using Stored Procedures

1. Stored procedures help increase the performance of the applications. Once created, stored procedures are compiled and stored in the database.

2. Stored procedures help reduce the traffic between application and database server because instead of sending multiple lengthy SQL statements, the application has to send only the name and parameters of the stored procedure.

3. Stored procedures are reusable and transparent to any applications.

4. Stored procedures are secure. The database administrator can grant appropriate permissions to applications that access stored procedures in the database without giving any permissions on the underlying database tables.

</ Syntax

The basic syntax to create a stored procedure in SQL is as follows-

```
DELIMITER ##  
CREATE PROCEDURE procedure_name  
@parameter1 datatype,  
@parameter2 datatype  
AS BEGIN  
---SQL statements to be executed  
END  
##  
  
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```

</ Thanks!

Do you have any questions?

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