

# Working with Metadata

## Introduction



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# Working with Metadata

Metadata Programming is useful to know the capabilities, limitations and facilities of underlying database software and its resources

## JDBC Metadata Programming Supports:

- Database Metadata
- ResultSet Metadata
- Parameter Metadata

# Accessing Database Metadata

## Retrieve the Metadata instance

```
DatabaseMetaData databaseMetadata=myConn.getMetaData();
```

## DatabaseMetaData methods

- getDatabaseProductName()
- getDatabaseProductVersion()
- getDriverName() etc.

Demo



# Accessing Database Metadata

# Accessing ResultSet Metadata

RetrieveMetaData object is a class that implements java.sql.ResultSetMetadata

To Define

```
ResultSetMetaData rsmd= myResultSet.getMetaData();
```

## ResultSetMetaData methods

- getColumnName()
- getPrecision()
- isAutoIncrement()
- getColumnType()
- getScale()
- isNullable()
- getColumnNameName()
- getColumnCount()
- isCurrency() and many more...

Demo



## Accessing ResultSet Metadata

## Summary



- Accessing Database Metadata
- Accessing ResultSet Metadata