

Java 2

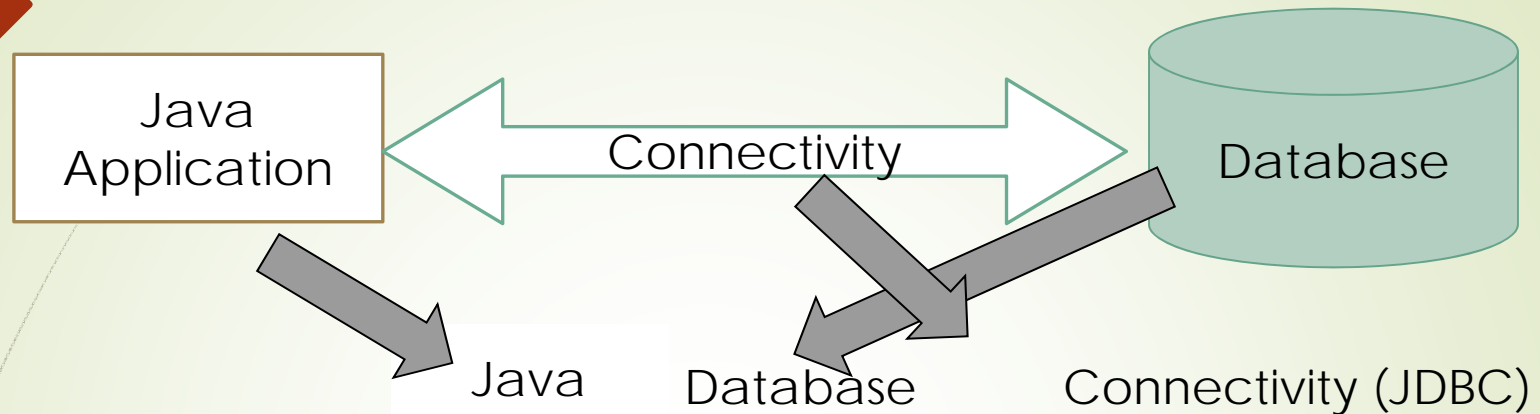
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Unit III Database Programming with JDBC



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1. Import the package

→ import java.sql.*

2. Load and Register the driver

→ download *mysql connector* for eclipse

→ String driver="org.apache.derby.jdbc.ClientDriver";

→ Class.forName(driver);

DriverManager class acts as an interface between user and drivers.

3. Establish connection

Connection conn = null; //instantiate the interface

conn=DriverManager.getConnection("URL","UserName","Password");

(URL=jdbc:derby://localhost:1527/DatabaseName)

4. Create the statement

→ Statement stmt = null; //Statement, PreparedStatement, CallableStatement

→ stmt = conn.createStatement();



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5. Execute the query

→ `String sqlstr="Select * from studentinfo";`

→ `ResultSet rs=stmt.executeQuery(sqlstr); //for retrieval of data`

6. Process result

```
while(rs.next( ))
```

```
{
```

```
    System.out.println(rs.getString(1)+" "+rs.getString(2));
```

```
}
```

7. Close

→ `conn.close();`



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