

## JDBC: JAVA DATABASE CONNECTIVITY

Def: JDBC is an API that is used to communicate between 2 software such as Java and MySQL

- 1)java Software
- 2)SQL Software
- 3)Driver(jar file)
- 4)JDBC

steps for connection

- 1)import packages
- 2)Load the driver
- 3)Register Driver
- 4>Create Connection
- 5>Create Statement
- 6)Execute Statement
- 7)close()

Implementation

```
package com. connections;
```

```
import java.sql.Connection;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.SQLException;  
import java.sql.Statement;
```

```
public class MysqlConnection  
{
```

```
    public static void main(String[] args)  
    {
```

```
        String sql="select * from city";
```

```
        String url="jdbc:mysql://localhost:3306/world";//JDBC:SQL_NAME://ADDRESS
```

```
OF HOSTING:CODE/SCHEMA
```

```
        String username="root";
```

```
        String password="admin";
```

```
        try {
```

```
            Connection con=DriverManager.getConnection(url,username,password);
```

```
            Statement st=con.createStatement();
```

```
            ResultSet rs=st.executeQuery(sql);
```

```
            rs.next();
```

```
            String result=rs.getString(2);
```

```
            System.out.println(result);
```

```
        con.close();
    }
    catch(SQLException e)
    {
        e.printStackTrace();
    }
}
}
```