

Driver

```
public Connection connect(String url, Properties prop)
                                throws SQLException;
```

Connection

```
public Statement createStatement() throws SQLException;
public void      close()           throws SQLException;
```

Statement

```
public ResultSet executeQuery(String qry)  throws SQLException;
public int        executeUpdate(String cmd) throws SQLException;
public void       close()                  throws SQLException;
```

ResultSet

```
public boolean    next()                  throws SQLException;
public int        getInt()                 throws SQLException;
public String     getString()              throws SQLException;
public void       close()                  throws SQLException;
public ResultSetMetaData getMetaData()     throws SQLException;
```

ResultSetMetaData

```
public int        getColumnCount()         throws SQLException;
public String     getColumnName(int column) throws SQLException;
public int        getColumnType(int column) throws SQLException;
public int        getColumnDisplaySize(int column) throws SQLException;
```

Fig. 2.1 The APIs for basic JDBC