**Experiment Title:**  Display database contents from SQL server or Oracle database using SQL Command class from ASP.NET

# Objective:

To learn and implement SQL server database using SQL command class.

# Theory:

## **Command Object**

The ADO Command object is used to execute a single query against a database. The query can perform actions like creating, adding, retrieving, deleting or updating records.

If the query is used to retrieve data, the data will be returned as a RecordSet object. This means that the retrieved data can be manipulated by properties, collections, methods, and events of the Recordset object.

The major feature of the Command object is the ability to use stored queries and procedures with parameters.

## **ProgID**

set objCommand=Server.CreateObject("ADODB.command")

## Properties

|  |  |
| --- | --- |
| Property | Description |
| [ActiveConnection](https://www.w3schools.com/asp/prop_comm_activeconn.asp) | Sets or returns a definition for a connection if the connection is closed, or the current Connection object if the connection is open |
| [CommandText](https://www.w3schools.com/asp/prop_comm_commandtext.asp) | Sets or returns a provider command |
| [CommandTimeout](https://www.w3schools.com/asp/prop_commandtimeout.asp) | Sets or returns the number of seconds to wait while attempting to execute a command |
| [CommandType](https://www.w3schools.com/asp/prop_comm_commandtype.asp) | Sets or returns the type of a Command object |
| [Name](https://www.w3schools.com/asp/prop_comm_name.asp) | Sets or returns the name of a Command object |
| [Prepared](https://www.w3schools.com/asp/prop_comm_prepared.asp) | Sets or returns a Boolean value that, if set to True, indicates that the command should save a prepared version of the query before the first execution |
| [State](https://www.w3schools.com/asp/prop_comm_state.asp) | Returns a value that describes if the Command object is open, closed, connecting, executing or retrieving data |

## Methods

|  |  |
| --- | --- |
| Method | Description |
| [Cancel](https://www.w3schools.com/asp/met_comm_cancel.asp) | Cancels an execution of a method |
| [CreateParameter](https://www.w3schools.com/asp/met_comm_createparameter.asp) | Creates a new Parameter object |
| [Execute](https://www.w3schools.com/asp/met_comm_execute.asp) | Executes the query, SQL statement or procedure in the CommandText property |

## Collections

|  |  |
| --- | --- |
| Collection | Description |
| Parameters | Contains all the Parameter objects of a Command Object |
| Properties | Contains all the Property objects of a Command Object |

### **Example**

### Display the Field Names and Field Values in an HTML Table

## Add headers to the HTML table to make it more readable (remember to save the file with an .asp extension):

<html>  
<body>  
<%  
set conn=Server.CreateObject("ADODB.Connection")  
conn.Provider="Microsoft.Jet.OLEDB.4.0"  
conn.Open "c:/webdata/northwind.mdb"  
  
set rs = Server.CreateObject("ADODB.recordset")  
sql="SELECT Companyname, Contactname FROM Customers"  
rs.Open sql, conn  
%>  
  
<table border="1" width="100%">  
  <tr>  
  <%for each x in rs.Fields  
    response.write("<th>" & x.name & "</th>")  
  next%>  
  </tr>  
  <%do until rs.EOF%>  
    <tr>  
    <%for each x in rs.Fields%>  
      <td><%Response.Write(x.value)%></td>  
    <%next  
    rs.MoveNext%>  
    </tr>  
  <%loop  
  rs.close  
  conn.close  
  %>

</table> </body> </html>

**Procedure :**

Write web application implementing above codes.

# Conclusion: