

Exp. No. E06	MANUAL NO. : DYPPCOE-CSE-T2-WT-II	SUBJECT: WEB TECHNOLOGIES- II
DEPARTMENT: CSE	ISSUE NO. : 01	ISSUE DATE: 05/12/2018
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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	Sets or returns a definition for a connection if the connection is closed, or the current Connection object if the connection is open
CommandText	Sets or returns a provider command
CommandTimeout	Sets or returns the number of seconds to wait while attempting to execute a command
CommandType	Sets or returns the type of a Command object

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Name	Sets or returns the name of a Command object
Prepared	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	Returns a value that describes if the Command object is open, closed, connecting, executing or retrieving data

Methods

Method	Description
Cancel	Cancels an execution of a method
CreateParameter	Creates a new Parameter object
Execute	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

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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: