

## \* Methods With data Reader class:-

1. Close ( )
2. GetName (int Index)
3. Get Ordinal (String Name)
4. Get Value (int index)
5. Next Result ( )
6. Read ( )

### 1. Close:-

This method is used to close the data reader. When data Reader is closed result set created at server side is destroyed.

### 2. GetName:-

This method will return name of the field in result set when Index value is given.

### 3. Get ordinal:-

This method will return index value of the field in result set when its name is given.

### 4. Get Value:-

This method is used to get the Element Value of the record that data reader is pointing when its Index value is given.

### 5. Next Result:-

This method is used to advance the data Reader to the next available result set of server side.

## 6. Read:

This method is used to advance the data Reader to the next record to the available result set. This method is True when data reader is pointing to a record otherwise it will be false.

### Properties With data Reader:-

1. field count

2. Has Rows

3. Is closed

4. Records Affected

#### 1. field count:-

This property will return count of the fields in result set.

#### 2. Has Rows:-

This property will return true if result set contains one or more rows and will return false if result set does not contain any rows.

#### 3. Is closed:-

This property will return true if data reader is closed. otherwise will return false.

(Access after closing the data Reader).

#### 4. Records affected:-

This property will return count of records affected when action query is used with data Reader. (Access after closing the data Reader)

\* Example to read the data of result set record by record from the result set:-

EmpId is  data  
 Get ~~Result~~ to resultset  
 EName is   
 Designation is   
 DOJ is   
 Salary is   
 Dept No   
 Next Record

using system.data.sqlclient;

SqlConnection con; *new class a bit of sql*  
 SqlCommand cmd;  
 SqlDataReader DR;

```
private void btnGet_Click (object sender, EventArgs e)
{
    string sqlConString = "server = ; user Id = ;"
    con = new SqlConnection (sqlConString);
    //step-1
    con.Open();
    //step 2 and step 3
    cmd = new SqlCommand ("select * from Empdetails",
                           con);
    cmd.CommandType = CommandType.Text;
    DR = cmd.ExecuteReader();
    MessageBox.Show("data is stored in Result set");
    btnNext.Enabled = true;
}
```



```

Private void btnNext_Click (
{
    if (DR.Read())
    {
        txtEmpId.Text = DR[0].ToString();
        txtName.Text = DR[1].ToString();
        txtDesignation.Text = DR[2].ToString();
        txtDOJ.Text = DR[3].ToString();
        txtSalary.Text = DR[4].ToString();
        txtDeptNo.Text = DR[5].ToString();
    }
    else
    {
        btnNext.Enabled = false;
    }
}

```

Example to find a record using data reader:

Enter EmpId

find

EName is

Designation is

DOJ is

Salary is

DeptNo is