# WEB APPLICATION

**1. Create a web application with an option to upload a CSV file of 1 lakh or more records,  where the application should read the records, process it, and push to the database table.**

**The CSV file will have a header row that denotes the database table column names and rows  which represent the values of the database table.**

**After the upload of the CSV file, only the database table should be created dynamically  based on the header names of the CSV file and the insert of row values should be carried  out later.**

**In case if there are any header named as “password”, the value should be encrypted  dynamically and saved in the database.**

**Share the final coding via GitHub**

**Web application:**

**<!DOCTYPE html PUBLIC >**

**<html xmlns="**[**http://www.goortan./xhtml**](http://www.goortan./xhtml)**">**

**<head id="Head1" runat="server">**

**<title>SWETHA </title>**

**</head>**

**<body bgcolor="gray">**

**<form id="form1" runat="server">**

**<div style="color: White;">**

**<h4>**

**Web application**

**</h4>**

**<table>**

**<tr>**

**<td>**

**Select File**

**</td>**

**<td>**

**<asp:FileUpload ID="FileUpload1" runat="server" />**

**</td>**

**<td>**

**</td>**

**<td>**

**<asp:Button ID="Button1" runat="server" Text="Upload" OnClick="Button1\_Click" />**

**</td>**

**</tr>**

**</table>  <br /><br />**

**</div>**

**</form>**

**</body>**

**</html>**

**Program:**

**public partial class \_Default : System.Web.UI.Page {**

**SqlConnection con;**

**string sqlconn;**

**protected void Page\_Load(object sender, EventArgs e)**

**{**

**}**

**private void connection()**

**{**

**sqlconn = ConfigurationManager.ConnectionStrings["SqlCom"].ConnectionString;**

**con = new SqlConnection(sqlconn);**

**}**

**protected void Button1\_Click(object sender, EventArgs e)**

**{**

**DataTable tblcsv = new DataTable();**

**tblcsv.Columns.Add("Name");**

**tblcsv.Columns.Add("City");**

**tblcsv.Columns.Add("Address");**

**tblcsv.Columns.Add("Designation");**

**string CSVFilePath = Path.GetFullPath(FileUpload1.PostedFile.FileName);**

**string ReadCSV = File.ReadAllText(CSVFilePath);**

**foreach (string csvRow in ReadCSV.Split('\n'))**

**{**

**if (!string.IsNullOrEmpty(csvRow))**

**tblcsv.Rows.Add();**

**int count = 0;**

**foreach (string FileRec in csvRow.Split(','))**

**{**

**tblcsv.Rows[tblcsv.Rows.Count - 1][count] = FileRec;**

**count++;**

**}**

**}**

**}**

**InsertCSVRecords(tblcsv);**

**}**

**private void InsertCSVRecords(DataTable csvdt)**

**{**

**connection();**

**SqlCopy obj = new SqlBulkCopy(con);**

**obj.DestinationTableName = "Employee";**

**obj.ColumnMappings.Add("Name", "Name");**

**obj.ColumnMappings.Add("City", "City");**

**obj.ColumnMappings.Add("Address", "Address");**

**obj.ColumnMappings.Add("Designation", "Designation");**

**con.Open();**

**objbulk.WriteToServer(csvdt);**

**con.Close();**

**}**

**}**

**Readme:**

1. **Start" - "All Programs" - "Microsoft Visual Studio 2010".**
2. **"File" - "New WebSite" - "C#" - "Empty WebSite" (to avoid adding a master page).**
3. **Provide the web site a name such as "InsertCSVFileIntoDataBase" or another as you wish and specify the location.**
4. **Then right-click on Solution Explorer - "Add New Item" - Add Web Form.**
5. **Drag and drop one Button and FileUploader controler onto the <form> section of the Default.aspx page.**