namespace SqlBulkInsertExample

{

class Program

{

static void Main(string[] args)

{

CREATE DATASET dt TO STORE INFORMATION

DataTable dt = new DataTable("ProductSalesData");

// Create Column 1: SaleDate

DataColumn dateColumn = new DataColumn();

dateColumn.DataType = Type.GetType("System.DateTime");

dateColumn.ColumnName = "SaleDate";

// Create Column 2: ProductName

DataColumn productNameColumn = new DataColumn();

productNameColumn.ColumnName = "ProductName";

// Create Column 3: TotalSales

DataColumn totalSalesColumn = new DataColumn();

totalSalesColumn.DataType = Type.GetType("System.Int32");

totalSalesColumn.ColumnName = "TotalSales";

// Add the columns to the ProductSalesData DataTable

dt.Columns.Add(dateColumn);

dt.Columns.Add(productNameColumn);

dt.Columns.Add(totalSalesColumn);

INSERT ONE ROW OF DATA TO DT

// Create a new row

DataRow dailyProductSalesRow = dt.NewRow();

dailyProductSalesRow["SaleDate"] = DateTime.Now.Date;

dailyProductSalesRow["ProductName"] = "Nike";

dailyProductSalesRow["TotalSales"] = 10;

// Add the row to the ProductSalesData DataTable

dt.Rows.Add(dailyProductSalesRow);

Copy the DataTable to SQL Server using SqlBulkCopy

using (SqlConnection conn = new SqlConnection("Data Source=ProductHost;Initial Catalog=dbProduct;Integrated Security=SSPI;Connection Timeout=60;Min Pool Size=2;Max Pool Size=20;"))

{

conn.Open();

using (SqlBulkCopy s = new SqlBulkCopy(conn))

{

s.DestinationTableName = dt.TableName;

foreach (var column in dt.Columns)

s.ColumnMappings.Add(column.ToString(), column.ToString());

s.WriteToServer(dt);

}

}