

Print DataTable

```
using System;
using System.Collections.Generic;
using System.Text;
using System.Data;

class Program {
static void Main(string[] args) {
DataSet carsInventoryDS = new DataSet("Inventory");
carsInventoryDS.ExtendedProperties["TimeStamp"] =
DateTime.Now;
carsInventoryDS.ExtendedProperties["Company"] = "Name";

DataColumn carIDColumn = new DataColumn("CarID", typeof(int));
carIDColumn.ReadOnly = true;
carIDColumn.Caption = "Car ID";
carIDColumn.AllowDBNull = false;
carIDColumn.Unique = true;
carIDColumn.AutoIncrement = true;
carIDColumn.AutoIncrementSeed = 0;
carIDColumn.AutoIncrementStep = 1;
carIDColumn.ColumnMapping = MappingType.Attribute;

DataColumn carMakeColumn = new DataColumn("Make",
typeof(string));
DataColumn carColorColumn = new DataColumn("Color",
typeof(string));
DataColumn carPetNameColumn = new DataColumn("PetName",
typeof(string));
carPetNameColumn.Caption = "Name";

DataTable inventoryTable = new DataTable("Inventory");
inventoryTable.Columns.AddRange(new DataColumn[] {
carIDColumn, carMakeColumn, carColorColumn, carPetNameColumn
});
```

```
inventoryTable.PrimaryKey = new DataColumn[] {  
inventoryTable.Columns[0] };
```

```
DataRow carRow = inventoryTable.NewRow();
```

```
carRow["Make"] = "B";
```

```
carRow["Color"] = "C";
```

```
carRow["PetName"] = "A";
```

```
inventoryTable.Rows.Add(carRow);
```

```
carRow = inventoryTable.NewRow();
```

```
carRow["Make"] = "S";
```

```
carRow["Color"] = "R";
```

```
carRow["PetName"] = "E";
```

```
inventoryTable.Rows.Add(carRow);
```

```
carsInventoryDS.Tables.Add(inventoryTable);
```

```
PrintTable(carsInventoryDS.Tables["Inventory"]);
```

```
}
```

```
private static void PrintTable(DataTable dt) {
```

```
DataTableReader dtReader = dt.CreateDataReader();
```

```
while (dtReader.Read()) {
```

```
for (int i = 0; i < dtReader.FieldCount; i++) {
```

```
Console.Write("{0} = {1} ", dtReader.GetName(i).Trim(),  
dtReader.GetValue(i).ToString().Trim()); }
```

```
Console.WriteLine(); } dtReader.Close(); } } [/csharp]
```