



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Data;

namespace DataTable_DataColumn_DataRow2
{
    internal class Program
    {
        static void Main(string[] args)
        {
            //create a datatable
            DataTable dt = new DataTable("product");

            //create a column
            DataColumn col1 = new DataColumn("proid");
            col1.DataType=typeof(int);
```

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col1.Unique=true;
col1.AllowDBNull=false;
col1.Caption = "product id";
//add the column to data table
dt.Columns.Add(col1);

DataColumn col2 = new DataColumn("prname");
col2.DataType=typeof(string);
col1.Caption = "product name";
dt.Columns.Add(col2);

DataColumn col3 = new DataColumn("price");
col3.DataType=typeof(decimal);
col3.Caption = "price";
dt.Columns.Add(col3);

//creating a new row
DataRow row1= dt.NewRow();
row1["proid"]= 123;
row1["prname"] = "mouse";
row1["price"] = 500;
//adding row to datatable
dt.Rows.Add(row1);

DataRow row2= dt.NewRow();
row2["proid"] = 456;
row2["prname"] = "keys";
row2["price"] = 100;
dt.Rows.Add(row2);

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//iterating the datatable rows
foreach(DataRow dr in dt.Rows)
{
    Console.WriteLine("productid " + dr["proid"]+ " ," +
"productname " + dr["prname"]+", "+"price " + dr["price"]);
}
}
}
```