



SalesData
ProductName
Quantity

TotalSales
ProductName
Total

id	ProductName	Quantity	Price	SalesDate
1	Pen	10	1.20	2024-06-01
2	Pencil	20	0.80	2024-06-02
3	Pen	5	1.20	2024-06-03
4	Pen	10	1.20	2024-06-01
5	Pencil	20	0.80	2024-06-02
6	Pen	5	1.20	2024-06-02
7	Pen	10	1.20	2024-06-01
8	Pencil	20	0.80	2024-06-03
9	Notebook	30	2.00	2024-06-04
10	Eraser	12	0.50	2024-06-01
11	Notebook	4	2.00	2024-06-01
NULL	NULL	NULL	NULL	NULL

```

using Microsoft.Reporting.WinForms;
using System.Data.SqlClient;

namespace SalesReport
{
    public partial class Form1 : Form
    {
        string connStr = "Server=GAMIKA\\SQLEXPRESS;Database=SalesDB1;Trusted_Connection=True;";
        public Form1()
        {
            InitializeComponent();
        }

        private List<SalesData> GetSalesData()
        {
            var list = new List<SalesData>();

            using (var conn = new SqlConnection(connStr))
            {
                conn.Open();
                string query = "SELECT ProductName, Quantity FROM Sales";

                using (var cmd = new SqlCommand(query, conn))
                using (var reader = cmd.ExecuteReader())
                {
                    while (reader.Read())
                    {
                        list.Add(new SalesData
                        {
                            ProductName = reader.GetString(0),
                            Quantity = reader.GetInt32(1)
                        });
                    }
                }
            }
            return list;
        }
    }
}

```

```

private List<TotalSalesData> GetTotalSalesData()
{
    var list = new List<TotalSalesData>();

    using (var conn = new SqlConnection(connStr))
    {
        conn.Open();
        string query = "SELECT ProductName, Price*Quantity FROM Sales";

        using (var cmd = new SqlCommand(query, conn))
        using (var reader = cmd.ExecuteReader())
        {
            while (reader.Read())
            {
                list.Add(new TotalSalesData
                {
                    ProductName = reader.GetString(0),
                    Total = reader.GetDecimal(1)
                });
            }
        }
        return list;
    }
}

private void Form1_Load(object sender, EventArgs e)
{
    var reportViewer = new ReportViewer
    {
        Dock = DockStyle.Fill,
        ProcessingMode = ProcessingMode.Local
    };
    this.Controls.Add(reportViewer);

    reportViewer.LocalReport.ReportPath = "D:\\(D) Documents\\Lessons\\Year 03 Sem 01\\BECS
31242 - Visual Programming\\Visual Programming Practical
Guides\\Lab10\\SalesReport\\SalesReport.rdlc";
    reportViewer.LocalReport.DataSources.Clear();

    reportViewer.LocalReport.DataSources.Add(new
ReportDataSource("DataSet1", GetSalesData()));
    reportViewer.LocalReport.DataSources.Add(new
ReportDataSource("DataSet2", GetTotalSalesData()));

    reportViewer.RefreshReport();
}

public class SalesData
{
    public string ProductName { get; set; }
    public int Quantity { get; set; }
}

public class TotalSalesData
{
    public string ProductName { get; set; }
    public decimal Total { get; set; }
}
}

```