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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; }

}

}