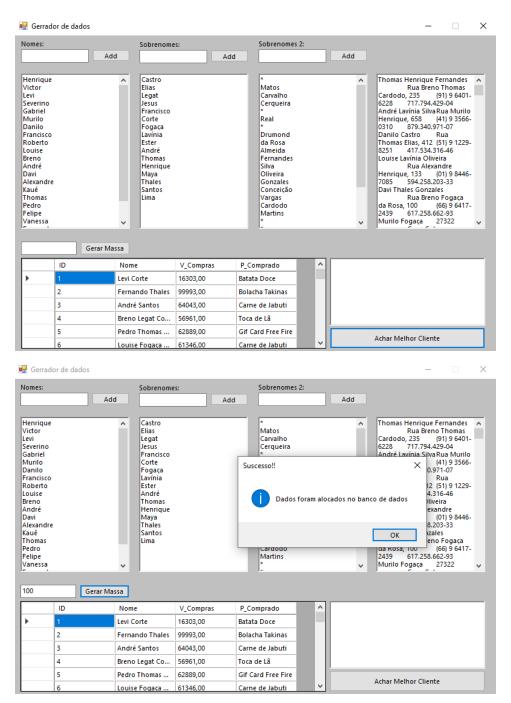
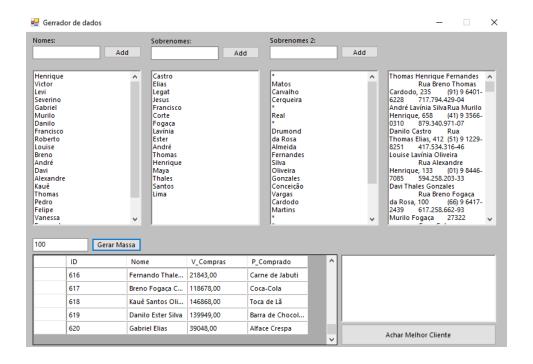
Nomes: Henrique Castro de Matos e Victor Angelo Legat Cerqueira

Turma: 2ºB

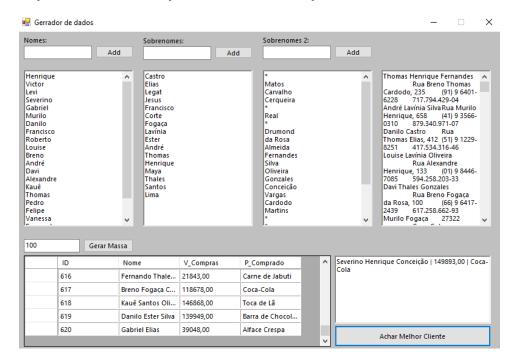
Data: 10/12/2021

Prints:





Aqui descobrimos qual é a maior compra:



Código:

Foms1:

using System;

```
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using System.Windows.Forms;
using MySql.Data;
using MySql.Data.MySqlClient;
namespace Trabalho_DS
{
    public partial class Form1 : Form
         public Form1()
         {
              InitializeComponent();
         }
         ClassDao dao = new ClassDao();
         public static MySqlConnection minhaconexao;
         public String[] ProdutosList = { "Coca-Cola", "Bolacha Takinas", "Toca de
Lã", "Barra de Chocolate Garota",
              "Gif Card Free Fire", "Alface Crespa", "Massa de Tomate", "Batata
Doce", "Peito de Frago", "Carne de Jabuti"};
         private void Form1_Load(object sender, EventArgs e)
              try
              {
                  LoadFiles();
                  conectarBD();
              }
             catch
                  conectarBD();
                  NomeList.SaveFile("NomeList.txt",
RichTextBoxStreamType.PlainText);
                  Sb1List.SaveFile("Sb1List.txt", RichTextBoxStreamType.PlainText); Sb2List.SaveFile("Sb2List.txt", RichTextBoxStreamType.PlainText); richTextBox1.SaveFile("MD.txt", RichTextBoxStreamType.PlainText);
             }
         }
         private void conectarBD()
             try
              {
                  dao.conecte("bdmassa", "M_Cliente");
                  dao.PreencherTabela(dataGridView1);
              }
             catch
                  MessageBox.Show("Erro ao conectar com BD!!");
                  Close();
             }
         }
         private void SaveFile(RichTextBox list)
```

```
{
   list.SaveFile(list.Name + ".txt", RichTextBoxStreamType.PlainText);
}
private void LoadFiles()
   NomeList.LoadFile("NomeList.txt", RichTextBoxStreamType.PlainText);
   Sb1List.LoadFile("Sb1List.txt", RichTextBoxStreamType.PlainText);
   Sb2List.LoadFile("Sb2List.txt", RichTextBoxStreamType.PlainText);
   richTextBox1.LoadFile("MD.txt", RichTextBoxStreamType.PlainText);
}
private void BtNome_Click(object sender, EventArgs e)
   if (TxtNome.Text != "")
   {
        if (NomeList.Text == "")
            NomeList.Text += TxtNome.Text;
        else
            NomeList.Text += "\n" + TxtNome.Text;
        SaveFile(NomeList);
        TxtNome.Clear();
   }
}
private void BtSb1_Click(object sender, EventArgs e)
   if (TxtSb1.Text != "")
        if (Sb1List.Text == "")
            Sb1List.Text += TxtSb1.Text;
        else
            Sb1List.Text += "\n" + TxtSb1.Text;
        SaveFile(Sb1List);
        TxtSb1.Clear();
   }
}
private void BtSb2_Click(object sender, EventArgs e)
   if (TxtSb2.Text == "")
   {
        TxtSb2.Text = "*";
   if (Sb2List.Text == "")
        Sb2List.Text += TxtSb2.Text;
   else
        Sb2List.Text += "\n" + TxtSb2.Text;
   SaveFile(Sb2List);
   TxtSb2.Clear();
}
private void BtGM_Click(object sender, EventArgs e)
   int NumMassa = 0;
   if (TxtGmNum.Text == "")
        NumMassa = 1;
```

```
}
            else
            {
                NumMassa = int.Parse(TxtGmNum.Text);
            }
            Random rnd = new Random();
            for (int i = 0; i < NumMassa; i++)</pre>
                //gerar nome
                int RandomName = rnd.Next(0, NomeList.Lines.Count() - 1);
                int RandomSb1 = rnd.Next(0, Sb1List.Lines.Count() - 1);
                int RandomSb2 = rnd.Next(0, Sb2List.Lines.Count() - 1);
                string nome = NomeList.Lines[RandomName];
                string Sb1 = Sb1List.Lines[RandomSb1];
                string Sb2 = Sb2List.Lines[RandomSb2];
                String NomeC;
                if (Sb2 == "*")
                    NomeC = nome + " " + Sb1;
                else
                    NomeC = nome + " " + Sb1 + " " + Sb2;
                if (richTextBox1.Text == "")
                    richTextBox1.Text += NomeC + "\t";
                else
                    richTextBox1.Text += "\n" + NomeC + "\t";
                //Gerar Valor de compras
                decimal VCompras = rnd.Next(0, 150000);
                richTextBox1.Text += VCompras + "\t";
                //Gerar produto mais comprado aleatorio
                string PComprado = ProdutosList[rnd.Next(0,
ProdutosList.Count())];
                richTextBox1.Text += PComprado;
                //passar por bd
                dao.Inserir(NomeC, VCompras, PComprado);
            }
            dao.PreencherTabela(dataGridView1);
            richTextBox1.SaveFile("MD.txt", RichTextBoxStreamType.PlainText);
            MessageBox.Show("Dados foram alocados no banco de dados",
"Suscesso!!", MessageBoxButtons.OK, MessageBoxIcon.Information);
        }
        private void BtMCliente_Click(object sender, EventArgs e)
            decimal MaiorVolume = 0;
            int MelhorClienteLine = 0;
            for (int i = 0; i < dataGridView1.RowCount; i++)</pre>
                decimal CurrentVolume =
decimal.Parse(dataGridView1.Rows[i].Cells[2].Value.ToString());
                if (CurrentVolume > MaiorVolume)
                {
                    MaiorVolume = CurrentVolume;
```

ClassDao:

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using MySql.Data.MySqlClient;
namespace Trabalho DS
{
    public class Campos
    {
        public int Id;
        public string Nome;
        public decimal V Compras;
        public string P Comprado;
    }
    public class ClassDao
        public ClassDao()
        {
        public Campos campos = new Campos();
        public MySqlConnection minhaConexao;
        public string usuarioBD = "root";
        public string senhaBd = "admin";
        public string servidor = "localhost";
        string bancoDados;
        string tabela;
        public void conecte(string BancoDados, string Tabela)
            bancoDados = BancoDados;
            tabela = Tabela;
            minhaConexao = new MySqlConnection("server=" + servidor + ";
database=" + bancoDados +
                                                 "; uid=" + usuarioBD + ";
password=" + senhaBd);
        }
        void Abrir()
```

```
minhaConexao.Open();
        }
        void Fechar()
        {
             minhaConexao.Close();
        }
        public void PreencherTabela(System.Windows.Forms.DataGridView dgv)
        {
             Abrir();
             MySqlDataAdapter meuAdapter = new MySqlDataAdapter("Select * From " +
tabela, minhaConexao);
             System.Data.DataSet dataSet = new System.Data.DataSet();
             dataSet.Clear();
             meuAdapter.Fill(dataSet, tabela);
             dgv.DataSource = dataSet;
             dgv.DataMember = tabela;
             Fechar();
        }
        public void Inserir(string campoNome, decimal V_Compras, string
P_Comprado)
        {
             Abrir();
             MySqlCommand comando = new MySqlCommand("INSERT INTO " + tabela +
"(`Nome`, `V_Compras`, `P_Comprado`) " +
                 "VALUES (@nome, @VCompras, @PComprado)", minhaConexao);
             comando.Parameters.AddWithValue("@nome", campoNome);
             comando.Parameters.AddWithValue("@VCompras", V_Compras);
comando.Parameters.AddWithValue("@PComprado", P_Comprado);
             comando.ExecuteNonQuery();
             Fechar();
        }
    }
}
```