1 – Using the IO to Read and Write

A ) Using using System.IO;

!reader.EndOfStream => Until it reaches the end.

B) Read

using (StreamReader reader = new StreamReader("File Name"))

{

if(!reader.EndOfStream)

{

reader.ReadLine();

} while(!reader.EndOfStream) {

string[] studentArr =reader.ReadLine().Split(',');

string student\_id = studentArr[0];

string first\_name = studentArr[1];

string last\_name = studentArr[2];

double.TryParse(studentArr[3], out double quiz\_score);

double.TryParse(studentArr[4], out double midterm\_score);

double.TryParse(studentArr[5], out double final\_score);

Students student = new Students(student\_id,first\_name,last\_name,quiz\_score,midterm\_score,final\_score);

StudentsList.Add(student);

}

}

} catch (Exception err) {

MessageBox.Show($"Error: {err}");

}

C) Write

try {

using (StreamWriter writer = new StreamWriter("FinalGrades.csv"))

{

writer.WriteLine("student\_id,first\_name,last\_name,quiz\_score,midterm\_score,final\_score,final\_grade,final\_score");

foreach(Students student in StudentsList)

{

writer.WriteLine($"{student.StudentId},{student.StudentFirstName},{student.StudentLastName},{student.QuizzScore},{student.MidtermScore},{student.FinalsScore},{student.FinalGrade},{student.systemGrade}");

}

}

}

catch(Exception err) {

MessageBox.Show($"Error {err}");

}

2 – ListBox Methods

1. Add => ListBoxName.Items.Add(Item)
2. Remove 1 item => ListBoxName.Items.RemoveAt(Index)
3. SelectIndex => ListBoxName.SelectedIndex
4. Remove All => ListBoxName.Clear()

3- TexBox Methods

1. Remove Item => TexBoxName.Text = “”;
2. Item will always be a string remember to parse to proper type

4- List

1. Declaration => private List<Students> StudentsList = new List<Students>();
2. Remove all => ListName.Clear()
3. RemoveAt => ListName.RemoveAt(Index);
4. Remove Item => ListName.Remove(“ItemName”); \*remove First Item that encoutners
5. Length => ListName.Count()
6. Add => ListName.Add();
7. FindIndex => ListName.IndexOf(“ItemName”);

5- Arrays

1. Declaration => private string arr[] = new string[qtd] or int arr[] = {1,2,3};
2. Remove all => ArrayName.Clear()
3. RemoveAt => ArrayName.RemoveAt(Index);
4. Remove Item => ArrayName.Remove(“ItemName”); \*remove First Item that encoutners
5. Length => ArrayName.length()
6. Add => ArrayName.Add();
7. FindIndex => ArrayName.IndexOf(“ItemName”);

6- LinQ Queries

sortedGroceryList = (from grocery in GroceryList

orderby grocery.TotalSales descending ,grocery.ItemName

select grocery).ToList();

restockList = (from grocery in GroceryList   
 where grocery.AvailableQty < grocery.QtyMinForRestock   
 select grocery).ToList()

7- Second Form

1. Create new form Project -> Add Form
2. Form2 form2 = new Form2();
3. form2.ShowDialog();
4. Item Property Modifiers in form2 must be internal or public