

## 1. Learning c# programming constructs

- High level programming Language (Ex: C or C++) converted to Assembly language and then to machine language.
  - Compiler converts to assembly language.
  - Binary/image in machine language runs instructions for the processor.
- Lisp language is an interpreted language
- C# code is converted to IL (MSIL) intermediate file. The IL file is executed for the processor. The code can be run on different processor architectures.
  - MSIL => Microsoft intermediate language
  - MSIL can run on different platform like Windows, Linux, Mac, wherever .Net is available
  - MSIL runs on CLR (Common Language Runtime). CLR translates to machine specific instructions.
- Data types

## 2. Trying out simple programs

- a. Using math libraries
- b. Running a Telerik UI asp net core component

The screenshot shows a web browser at <https://localhost:7155> displaying a web application titled "MyTelerikProject". The application features a Telerik UI DatePicker for ASP.NET Core and a Telerik UI Spreadsheet for ASP.NET Core. The spreadsheet is titled "Invoice #52 - 06/23/2015" and contains the following data:

ID	Product	Quantity	Price	Tax	Amount
216321	Calzone	1	\$12.39	\$2.48	\$14.87
546897	Margherita	2	\$8.70	\$3.52	\$21.10
456231	Pesto Formaggio	1	\$13.99	\$2.80	\$16.79
455873	Greek Salad	1	\$9.49	\$1.90	\$11.39
456892	Spinach and Blue Cheese	3	\$11.49	\$6.89	\$41.36
546564	Rigatello	1	\$10.99	\$2.20	\$13.19
789455	Crema Brulee	5	\$6.99	\$0.99	\$41.94
123002	Radbeberger Beer	4	\$4.99	\$3.99	\$23.95
564896	Budweiser Beer	3	\$4.49	\$2.89	\$16.16
				Tip	\$28.07
				Total Amount	\$228.00

The bottom of the browser window shows the Windows taskbar with the date and time 11:33 AM 11/12/2022.

- c. Gui Program to look up one type of string and map to another string