We are looking at some of these.
Single Data Type (Visual Basic)

Visual Studio 2015 | other versions

Hold's signed IEEE 32-bit (4-byte) single-precision floating-point numbers ranging in value from -3.40282347e38 through 3.40282347e38 for negative values and from 1.40129846e45 through 3.40282347e38 for positive values. Single-precision numbers store an approximation of a real number.

Remarks

Use the Single data type to contain floating-point values that do not require the full data width of Double. In some cases the common language runtime might be able to pack your Single variables closely together and save memory consumption.

The default value of Single is 0.

Programming Tips

- Precision. When you work with floating-point numbers, keep in mind that they do not always have a precise representation in memory. This could lead to unexpected results from certain operations, such as value comparison and the Mod operator. For more information, see Troubleshooting Data Types (Visual Basic).
- Widening. The Single data type works with Double. This means you can convert Single to Double without encountering a System.OverflowException error.
- Trailing Zeros. The floating-point data types do not have any internal representation of trailing 0 characters. For example, they do not distinguish between 4.000 and 4.2. Consequently, trailing 0 characters do not appear when you display or print floating-point values.
- Type Characters. Appending the literal type character F to a literal forces it to the Single data type. Appending the identifier type character T to any identifier forces it to Single.
- Framework Type. The corresponding type in the .NET Framework is the System.Single structure.
Two dimension array.
An alternate way to set up the two dimension table. Note the comma in Dim priceArray()
budgetArray is the whole array and wkDeptBudget is the individual record currently being processed.
Parallel arrays.
I will search for a match to the department number I key in. Then using that index I take the name from the second array.

The loop continues while I have not found a match and have not checked all elements in the array.

Because I could end the loop for two reasons, I now have to check and find out which reason.
Y I Found
Added this.
on file
figure out
There are no usable controls in this group. Drag an item onto this text to add it to the toolbox.
Think about the difference between do until and do while.
Both number and name are the same element.
First two characters.

From character 3 to the end.
Creating the soup file.