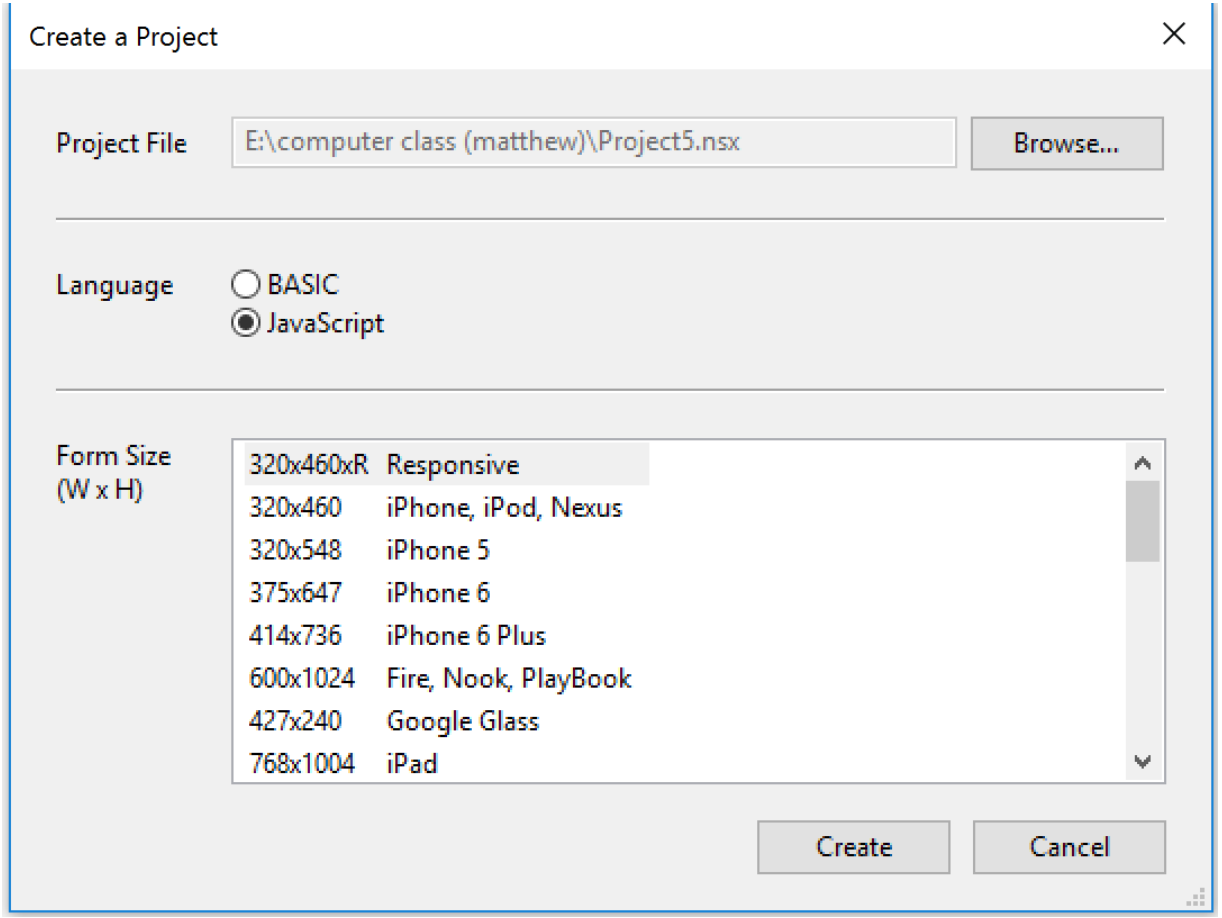
Programming1

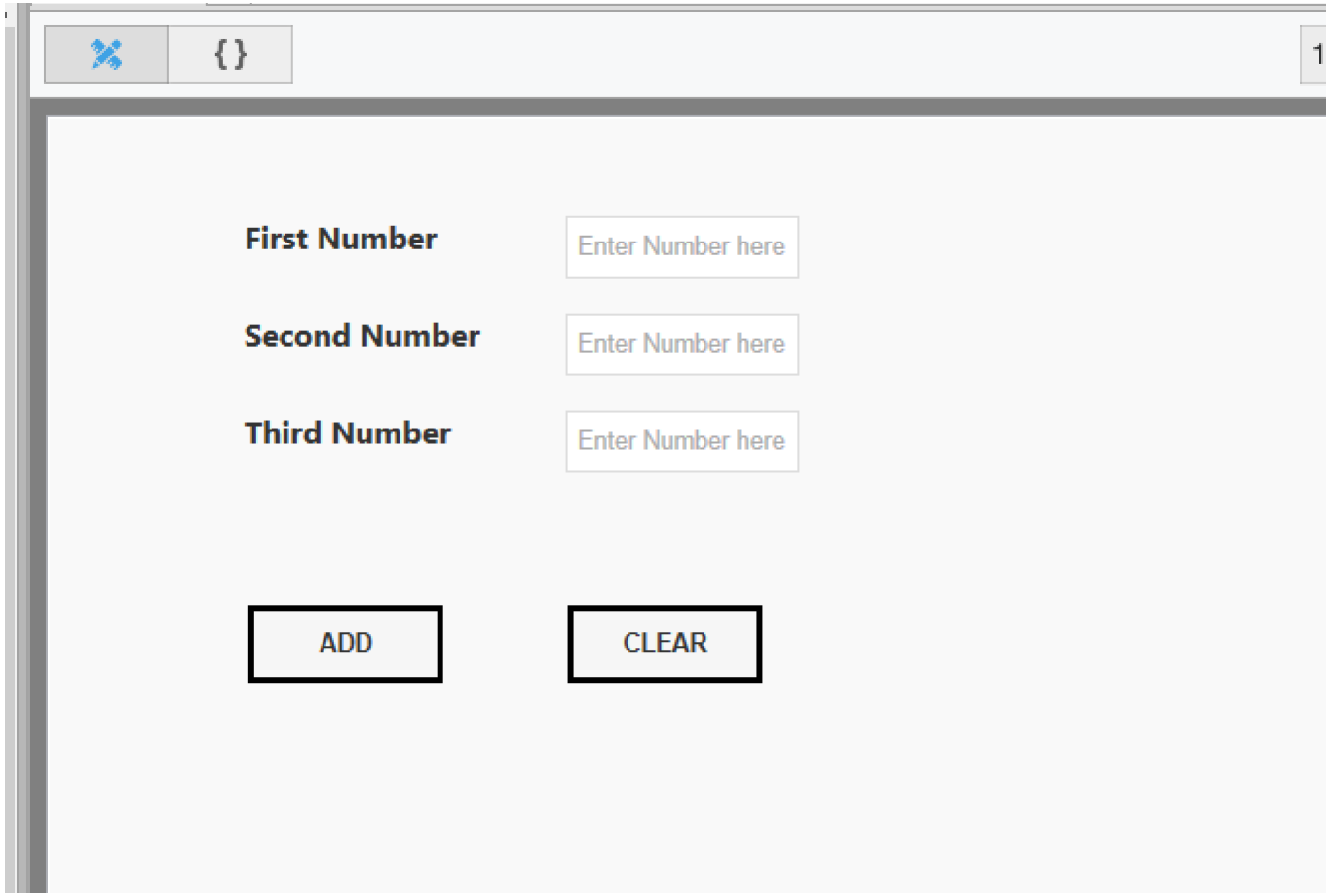
JavaScript with NSB app Studio

https://www.youtube.com/watch?v=QLatPwsbDrQ

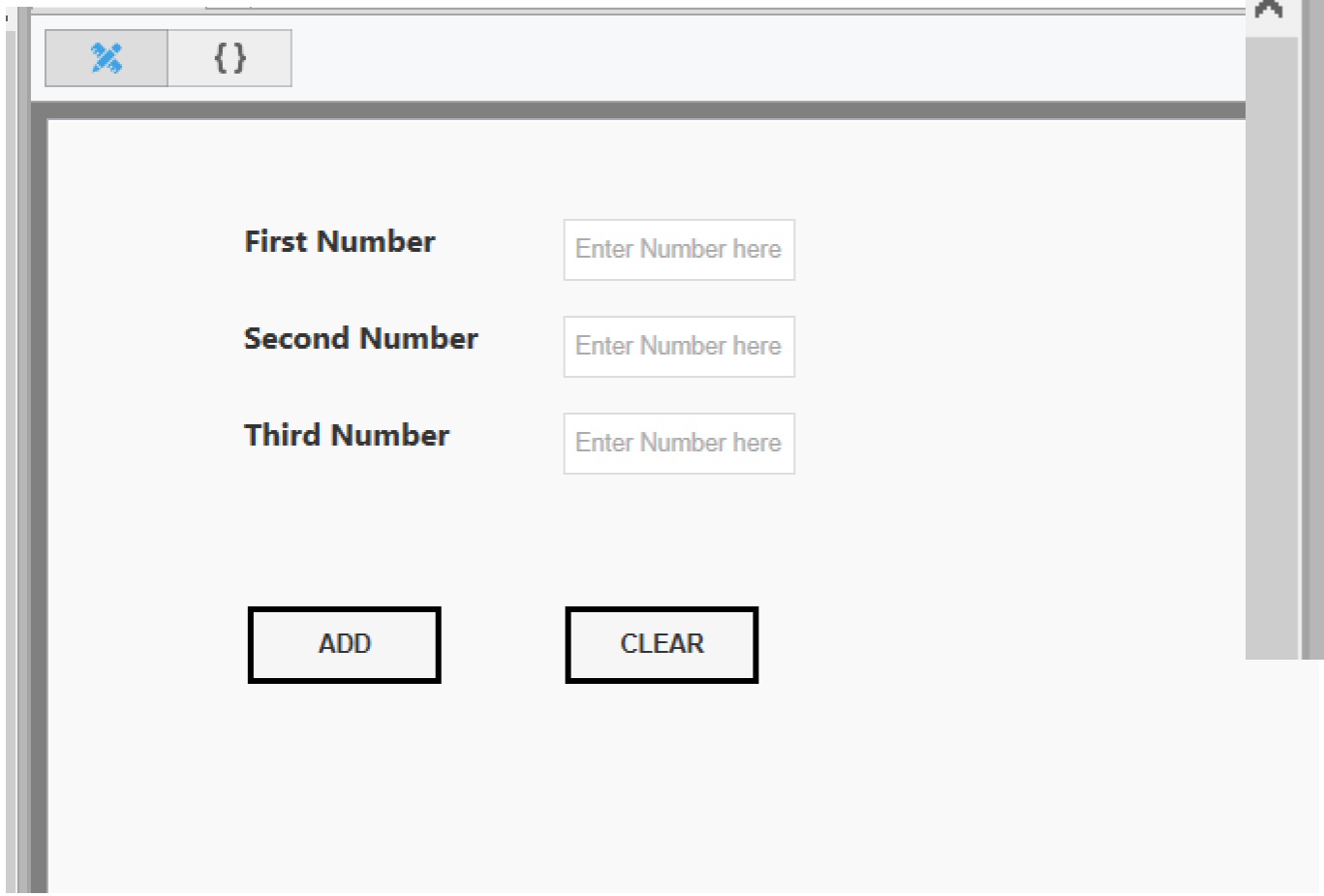
Create Project

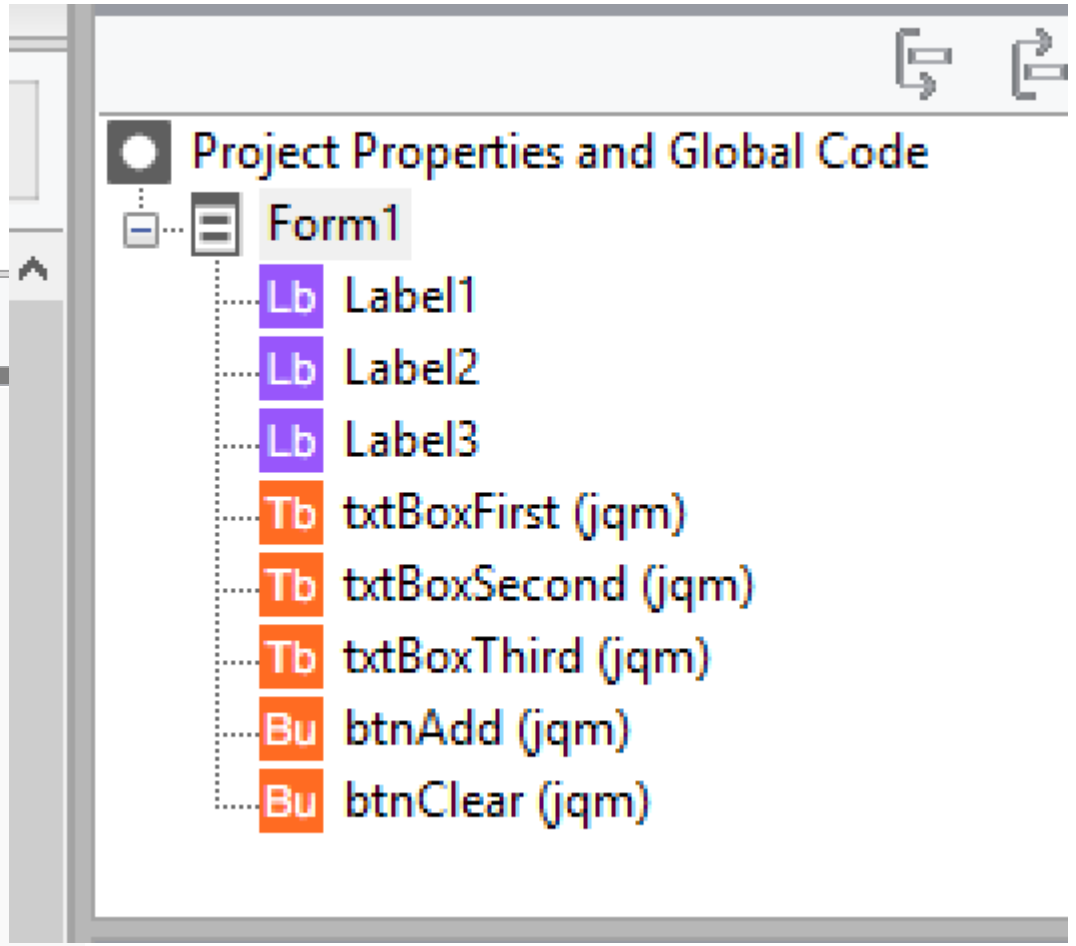


Place Objects



Place Objects

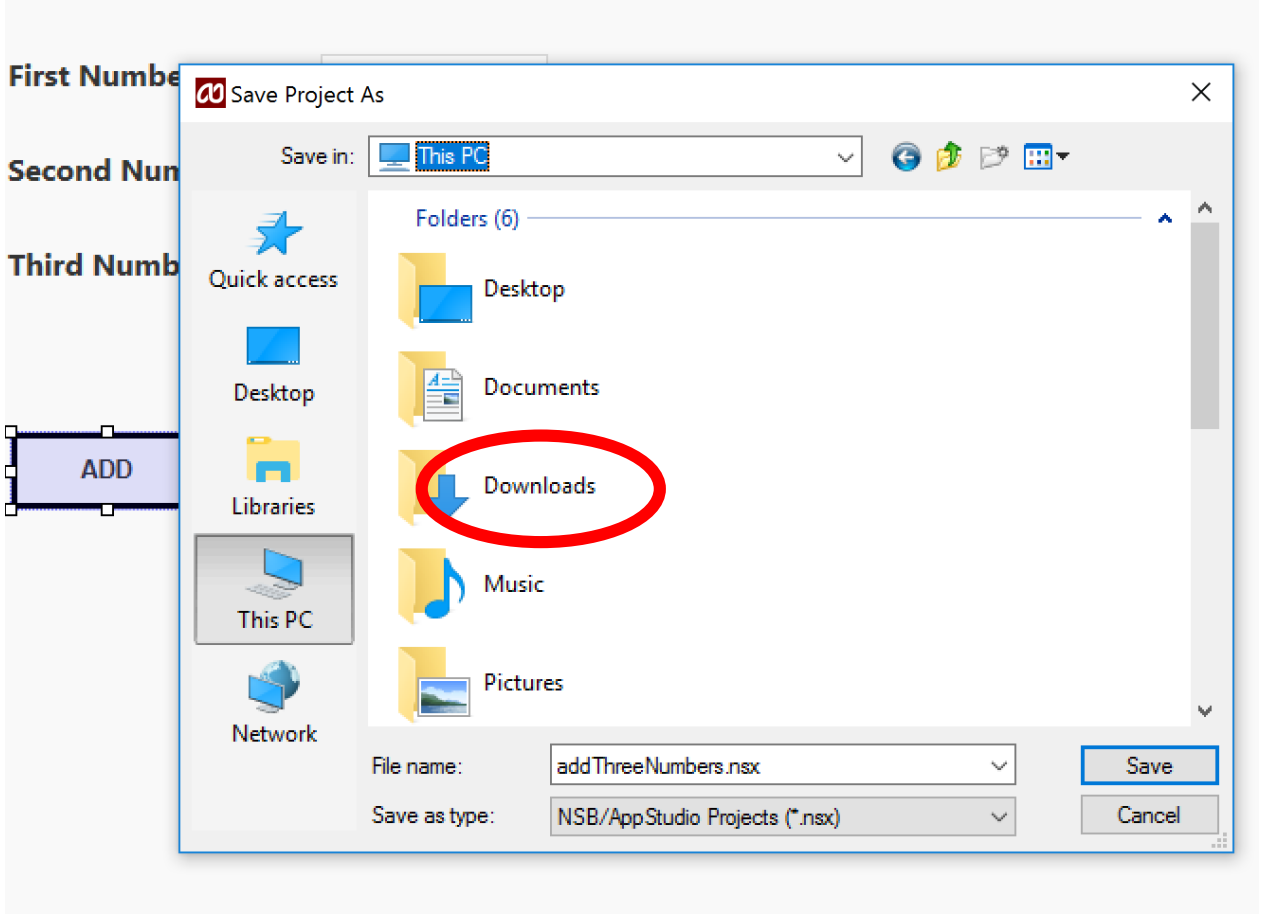




Set Properties

- **lblFirstNo**
  - textContent
- **txtFirstNo**
  - Id
  - Placeholder
- **cmdADD**
  - Id
  - Value
  - borderColor
  - borderWidth

Name Project & Save



cmdAdd Event Code

```
cmdAdd.onclick = function() {
    //This function is called when the Add button is clicked.

    var FirstNumber, SecondNumber, Total;

    //Before we can add, we have to convert the strings to numbers
    FirstNumber = parseFloat(txtFirstNo.value);
    SecondNumber = parseFloat(txtSecondNo.value);
    Total = FirstNumber + SecondNumber;

    txtTotal.value = Total;
}
```

Data Types

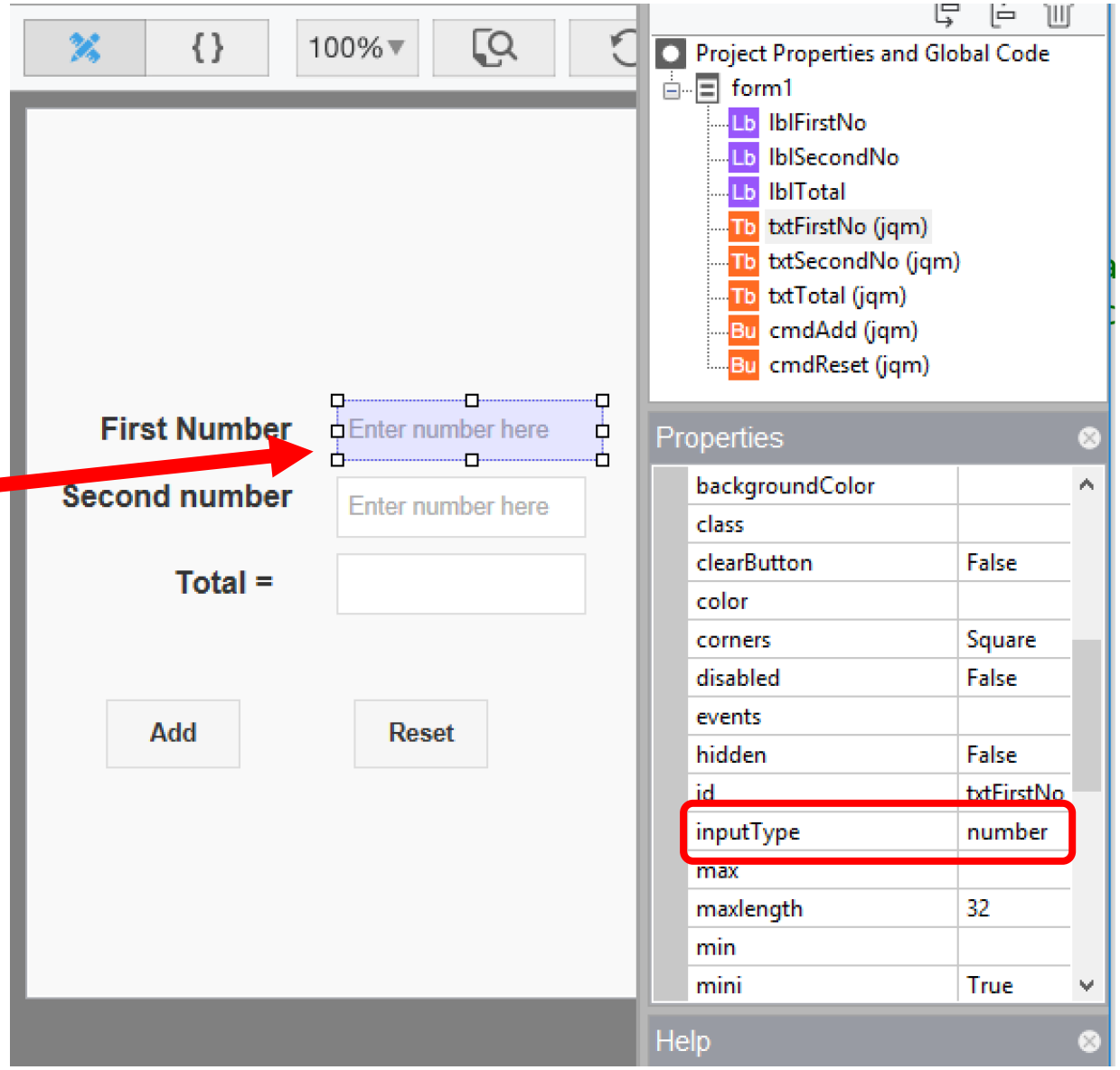
- var length = 16; // Number
- var lastName = "Johnson"; // String
- var cars = ["Saab", "Volvo", "BMW"]; // Array
- var myName = {firstName:"John", lastName:"Doe"}; // Object
- var x = true;
- var y = false;

Defined Numbers

```
var x1 = 34.00; // Written with decimals
var x2 = 34;    // Written without decimals
```

User Entered Data

DATA TYPES:
date,
email,
month,
number,
password,
tel,
text,
time,
url.



To convert a string to a number

- parseFloat (for conversion to a floating-point number)
- parseInt (for string-to-integer conversion).

```
FirstNumber = txtFirstNo.value;
SecondNumber = txtSecondNo.value;

Total = FirstNumber + SecondNumber;       1 + 1 = 11
```

```
FirstNumber = parseFloat(txtFirstNo.value);
SecondNumber = parseFloat(txtSecondNo.value);

Total = FirstNumber + SecondNumber;       1 + 1 = 2
```

CODE:

```
 //This sample allows the user to enter numbers into two text controls.
 //When the Add button is clicked on, the total is shown in the third text control.

cmdAdd.onclick = function() {
 //This function is called when the Add button is clicked.
 var FirstNumber,SecondNumber,Total;

 //Before we can add, we have to convert the strings to numbers
  FirstNumber  = CSng(txtFirstNo.value);
  SecondNumber = CSng(txtSecondNo.value);
  Total = FirstNumber + SecondNumber;

  txtTotal.value = Total;

 //We could have done the above in one statement:
 //txtTotal.value = CSng(txtFirstNo.value) + CSng(txtSecondNo.value)
}
cmdReset.onclick = function() {
  txtFirstNo.value="";
  txtSecondNo.value="";
  txtTotal.value="";
};
```

JavsScript

Objects
Properties
Functions
Comments
Statements
Naming
Event type
Data Types

Make this GUI