

More on Input

Widgets, Variable, Text

```
setText ( "ans", "The answer is " + m + " meters." );
```

“widgetname”

“text”

variable

“text”

```
setText ( "ans", "The answer is "+m + " meters." );
```

“widgetname”

“text”

variable

“text”

Do widget names have quotes around them?

```
setText ( "ans", "The answer is "+m + " meters." );
```

“widgetname”

“text”

variable

“text”

Do variables
names have
quotes around
them?

```
setText ( "ans", "The answer is "+m + " meters." );
```

"widgetname"

"text"

variable

"text"

Does text have quotes around it?

Where are the quotes?

Around widget names?

Around text?

Around variables?

```
var words = "A spaceship is a vehicle used for ";  
words += verb + " people between Earth and the outer ";  
words += noun + ". A journey usually takes " + num ;  
words += " years and can cover " + num2 + " miles."  
setText ( "story", words );
```

"widgetname"

variable

variable

"text"

```
setText (▼ "answer", "The average is " + avg) ;
```

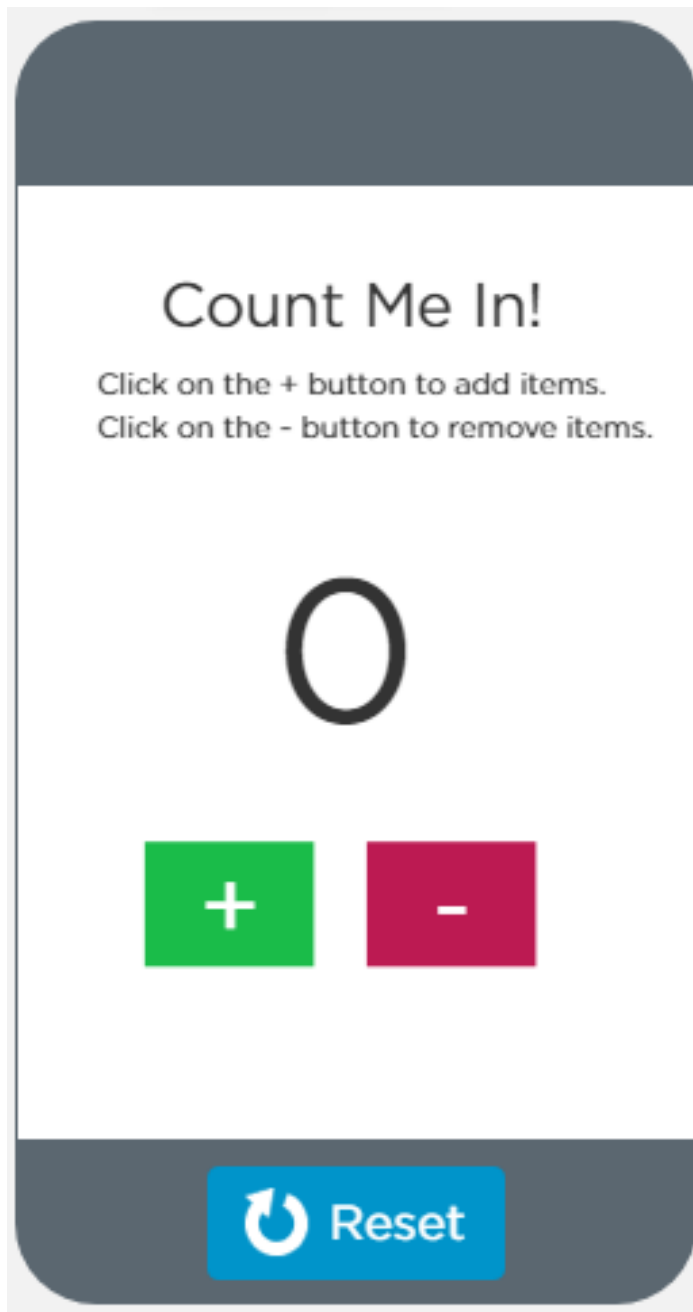
What is the widget name?

What is the variable name?

What is the text that appears?

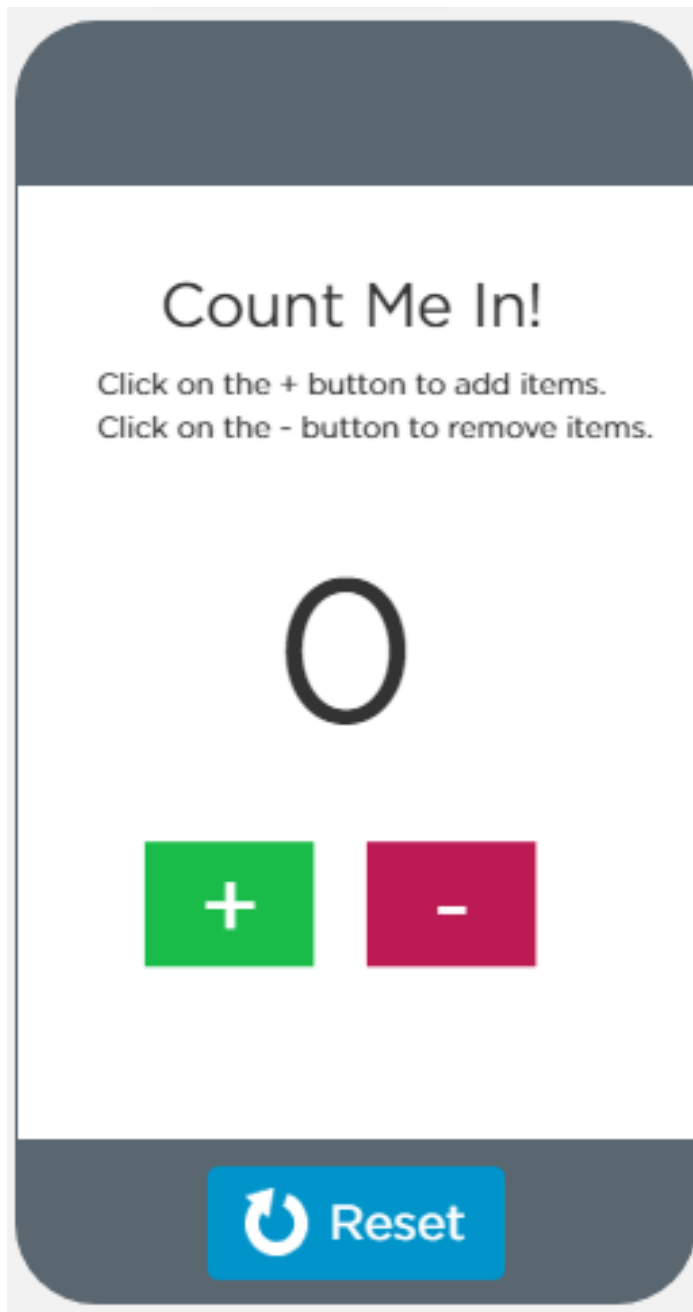
```
setText (▼ "count", c) ;
```

```
setText (▼ "label1", "Bonjour!") ;
```



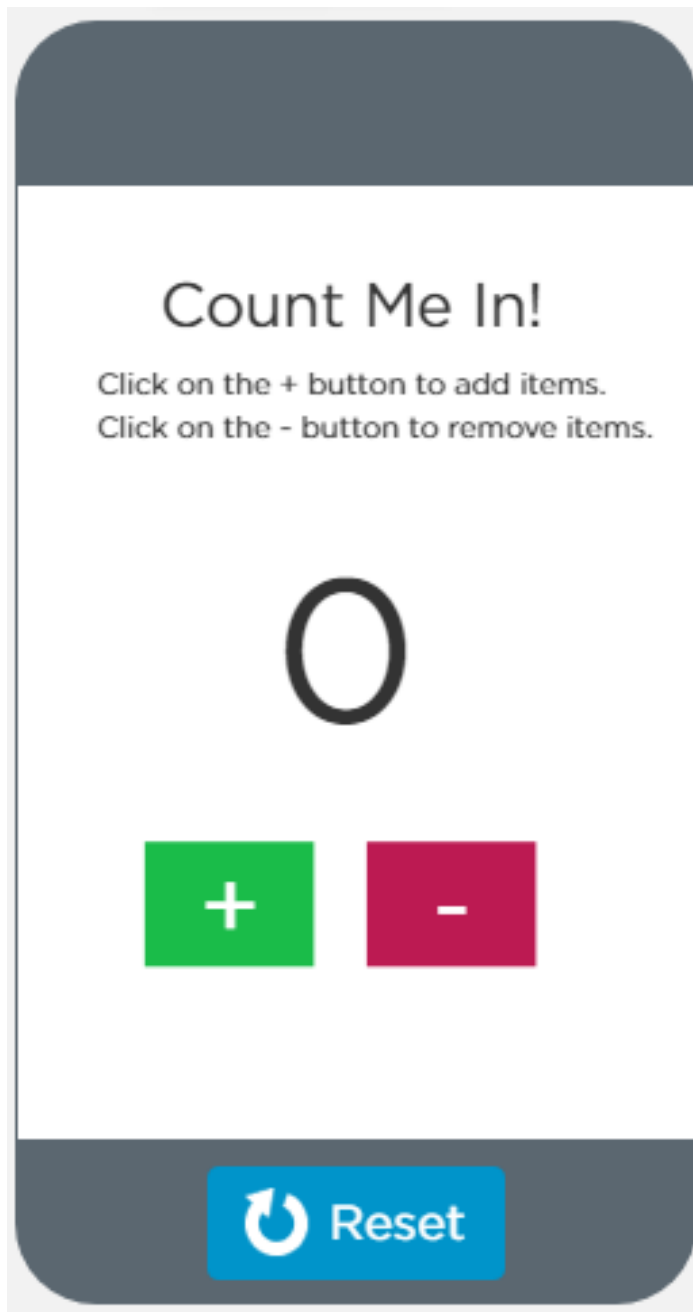
```
1 var x = 0;  
2  
3 onEvent (▼ "add", ▼ "click", function(event) {  
4   x = x + 1;  
5   setText (▼ "display", x);  
6 }  
7  
8 onEvent (▼ "subtract", ▼ "click", function(event) {  
9   x = x - 1;  
10  setText (▼ "display", x);  
11 }
```

What line number declares the variable?



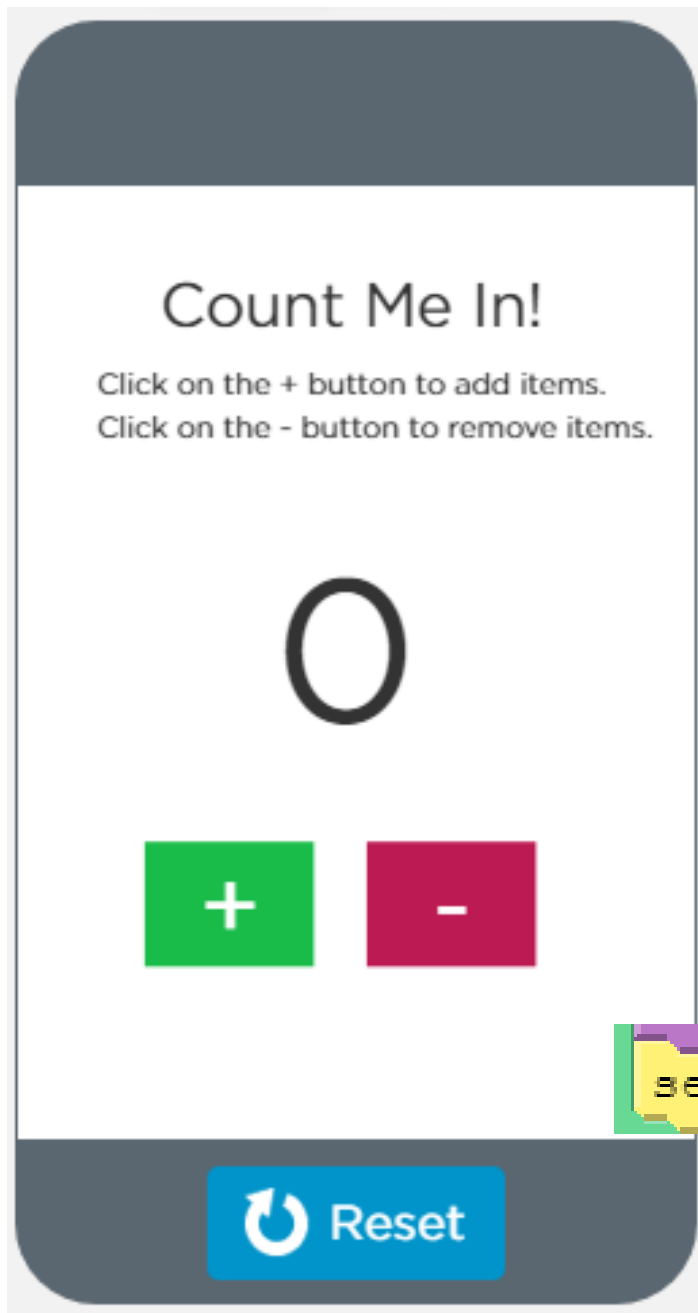
```
1 var x = 0;
2
3 onEvent (▼ "add", ▼ "click", function(event) {
4   x = x + 1;
5   setText (▼ "display", x);
6 }
7
8 onEvent (▼ "subtract", ▼ "click", function(event) {
9   x = x - 1;
10  setText (▼ "display", x);
11 }
```

Why doesn't var appear on line #4?



```
1 var x = 0;
2
3 onEvent (▼ "add", ▼ "click", function(event) {
4   x = x + 1;
5   setText (▼ "display", x);
6 } );
7
8 onEvent (▼ "subtract", ▼ "click", function(event) {
9   x = x - 1;
10  setText (▼ "display", x);
11 }
```

Why doesn't var appear on line #9?



```
1 var x = 0;
2
3 onEvent (▼ "add", ▼ "click", function(event) {
4     x = x + 1;
5     setText (▼ "display", x);
6 }
7
8 onEvent (▼ "subtract", ▼ "click", function(event) {
9     x = x - 1;
10    setText (▼ "display", x);
11 }
12
13 setText (▼ "display", "x");
```

What would happen if you put quotes around x?

Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

What would this print on the screen?

```
setText (▼ "display", m);  
setText (▼ "display", m+m);
```

Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

What would this print on the screen?

```
setText (▼ "display", m);  
setText (▼ "display", m+m);
```

Mimi

MimiMimi

Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

What would this print on the screen?

```
setText (▼ "display", "Her name is "+m);
```

```
setText (▼ "display", "Her name is"+m);
```

Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

Spaces
matter in
text!

What would this print on the screen?

Her name is Mimi

```
setText (▼ "display", "Her name is "+m);
```

```
setText (▼ "display", "Her name is"+m);
```

Her name isMimi

Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

What would this print on the screen?

```
setText (▼ "display", m+a) ;  
setText (▼ "display", m+"a") ;  
setText (▼ "display", "m"+a) ;
```


Assume these variable declarations:

```
var m = "Mimi";  
var a = 4;
```

Quotations
matter in
output!

What would this print on the screen?

```
setText (▼ "display", m+a);
```

Mimi4

```
setText (▼ "display", m+"a");
```

Mimia

```
setText (▼ "display", "m"+a);
```

m4