

TypeScript Function

Function:

$$f(x, b) = (xb)^b$$

Code:

```
1  let prompt = require('Prompt')
2  prompt.start();
3  prompt.get( schema: ['x', 'b'],
4    callback: function (err, result) {
5      let final_result = calculate(result.x, result.b)
6      console.log(`x = ${result.x}, b = ${result.b}, Result = ${final_result}`)
7    });
8
9  function calculate(x,b) {
10     result = x * b;
11     for (i = 0; i < b-1; i++) {
12       result = result * x * b;
13     }
14     if (b == 0) {
15       result = 1
16     }
17     return result;
18 }
```

Output:

```
prompt: x:  2
prompt: b:  3
x = 2, b = 3, Result = 216

Process finished with exit code 0
```