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1  /* PRACTICAL-8: a) Write a demonstrative JavaScript for i) Function methods, ii) Function internals
2  b) Write a JavaScript to implement function overloading using function internals.
3
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7
8  // CODE:
9
10 // A(I). Function Methods
11 function greet(name) {
12     console.log("--> Hello, " + name + "!");
13 }
14 greet("Tony Mikaelson");
15 // A(II). Function Internals
16 function add(a, b) {
17     return a + b;
18 }
19 console.log("# Function Internals \n" + add.toString());
20 console.log("--> Number of arguments expected by 'add' function: " + add.length);
21
22 // B. Function Overloading
23 function calculate() {
24     if (arguments.length === 2) {
25         return arguments[0] + arguments[1];
26     } else if (arguments.length === 3) {
27         return arguments[0] * arguments[1] * arguments[2];
28     } else {
29         throw new Error("--> Invalid Number of Arguments");
30     }
31 }
32 console.log("\n# Function Overloading")
33 console.log("--> Addition when Two Arguments are passed:" + calculate(2, 3));
34 console.log("--> Multiplication when Three Arguments are passed:" + calculate(2, 3, 4));
35 //console.log(calculate(2, 3, 4, 5));
36
37 console.log("\n-*-*-*-*END OF PRACTICAL 8-*-*-*-*")
```