

Announcements

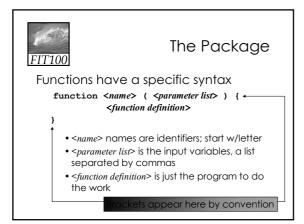
Project 2a due Monday

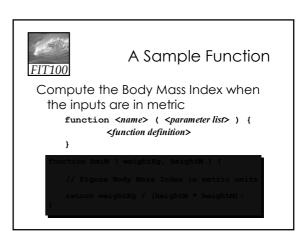
• Kasparov and Deep Jr. are tied

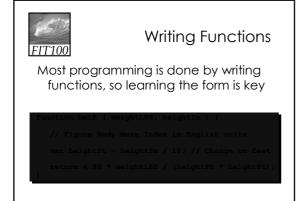


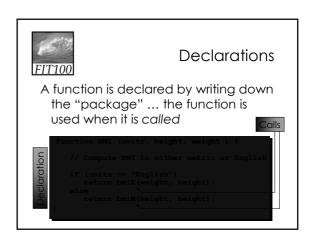
Functions & Abstraction

A function is a package for an algorithm; once written, it can be use over and over.











Summarizing

Declaration: the function "package," says what happens when the function runs

Call: the function use, asks for the computation to be run

- There is only one function declaration
- There can be many calls ... functions are reusable
- In JS, functions tend to be grouped together but the calls go where they are needed



Gold Function

Suppose we compute "weight in Au" Worth = (Weight*12)*368.4

function () {
// Compute the dollar value
// of weight at \$368.40/troy oz



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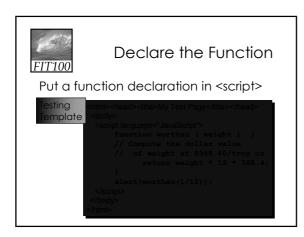
function worthau (weight) {
// Compute the dollar value
// of weight at \$368.40/troy oz
 return weight * 12 * 368.4;
,

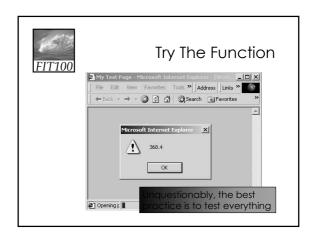


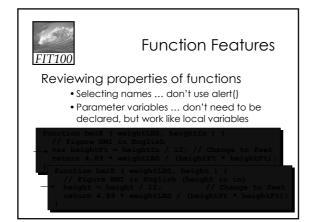
Recall Testing Template

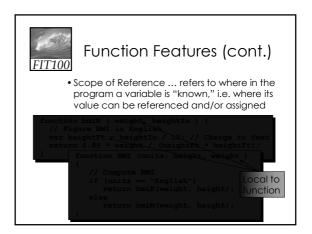
No one writes perfect programs the first time ... smart programmers check To test, have a standard page handy

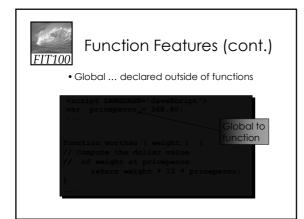
<html><head><titile>My Test Page</titile></head>
<body>
<script language="JavaScript">
Put your JavaScript code here
</script>
</body>
</html>

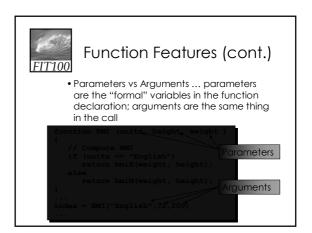














Summary

- Functions are packages for algorithms

 They follow a series of rules, that quickly become intuitive
 - Functions have both a declaration and a call
 - Functions have both parameters (in the declaration) and arguments (in the call)
 - Scope refers to the region of a program where a variable is "known"

w what it means to be "precise en describing what to do