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| TOPIC/TITLE  JS functions | |
| Keywords/Questions  Definition  Syntax  Console.log  Karel robot  Math.floor  Output and return values | Notes : |
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| Function allow you to create a series of instructions, package it into a block of code and remember the packaging. |
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| Create a function => Function getMilk () {block of code  } |
| Call a function => getMilk (); |
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| Log the string that’s contained inside here inside the console |
| Difference with alert : the alert is something that the user can see, the console.log is only for the developer. |
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| <http://stanford.edu/~cpiech/karel/ide.html> |
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| Round down a number as is lowest integer  var cost= Math.floor(money/1.5); money is 5 |
| Result will be 3 (not 3.333) |
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| In this example money is an input of the function. You can also specify an output by using return |
| Modulo : % the bottle costs 1.5 so if we give 4 it will be able to buy 2 bottles and it will remains 1. |
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| function getMilk(money,costPerBottle) {  console.log("go right");  console.log("go up");  console.log("buy "+ calcBottles(money,costPerBottle)+" bottles of milk");  console.log("go right");  console.log("go up");  return calChange(money,costPerBottle);  }  function calcBottles (startingMoney, costPerBottle) {  var numberOfBottles = Math.floor(startingMoney/costPerBottle);  return numberOfBottles;  }  function calChange (startingAmount, costPerBottle) {  var change = startingAmount % costPerBottle;  return change;  }  console.log("Hello master here is you "+getMilk(4, 1.5)+" change"); |
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