Functions Part 3 Outputs and Return Values

Creating the function

```
function getMilk (money) {
    return money % 1.5;
}
```

Calling the function

So money modulo 5 means that we're getting the remainder of how much we've spent to buy the milk.

Return change/remaining money using modulo % function.

function getMilk(money){

console.log("Leave House");

console.log("Move Right");

console.log("Move Right");

console.log("Move Up");

console.log("Move Up");

console.log("Move Up");

console.log("Move Up");

console.log("Move Right");

console.log("Move Right");

   var noOfBottles = Math.floor(money/1.5);

console.log("Buy "+noOfBottles+" bottles of Milk.");

console.log("Move Left");

console.log("Move Down");

console.log("Move Down");

console.log("Move Down");

console.log("Move Down");

console.log("Move Left");

console.log("Move Left");

console.log("Enter House");

   return money%1.5;

}

//Function Call

var change = getMilk(4);

console.log("Return remaining money: "+change);

```
> function getMilk(money){
    console.log("Leave House");
    console.log("Move Right");
    console.log("Move Right");
    console.log("Move Up");
    console.log("Move Up");
    console.log("Move Up");
    console.log("Move Up");
    console.log("Move Right");
    console.log("Move Right");
        var noOfBottles = Math.floor(money/1.5);
    console.log("Buy "+noOfBottles+" bottles of Milk.");
    console.log("Move Left");
    console.log("Move Down");
    console.log("Move Down");
    console.log("Move Down");
    console.log("Move Down");
    console.log("Move Left");
    console.log("Move Left");
    console.log("Enter House");
        return money%1.5;
    }
< undefined
```

```
>  //Function Call
<· undefined
>  var change = getMilk(4);
   console.log("Return remaining money: "+change);
   Leave House
   Move Right
   Move Right
   Move Up
   Move Up
   Move Up
   Move Up
   Move Right
   Move Right
   Buy 2 bottles of Milk.
   Move Left
   Move Down
   Move Down
   Move Down
   Move Down
   Move Left
   Move Left
   Enter House
   Return remaining money: 1
<· undefined
```

Code 2:

```
function getMilk(money){

console.log("Leave House");

console.log("Move Right");

console.log("Move Right");

console.log("Move Up");

console.log("Move Up");

console.log("Move Up");

console.log("Move Up");

console.log("Move Right");

console.log("Move Right");
```

```javascript
console.log("Buy "+calcBottles(money,1.5)+" bottles of Milk.");

console.log("Move Left");
console.log("Move Down");
console.log("Move Down");
console.log("Move Down");
console.log("Move Down");
console.log("Move Left");
console.log("Move Left");
console.log("Enter House");
    console.log("Hello master, here is your "+calcChange(money,1.5)+" change.");

}
/////////
//Calculate Bottles Function
function calcBottles(startingMoney, costPerBottle){
    var noOfBottles = Math.floor(startingMoney/costPerBottle);
    return noOfBottles;
}
//////////
//Calculate Change Function
function calcChange(startingMoney, costPerBottle){
    var change = startingMoney%costPerBottle;
    return change;
}
///////////////
//Function Call
getMilk(10);
```

```
> function getMilk(money){
  console.log("Leave House");
  console.log("Move Right");
  console.log("Move Right");
  console.log("Move Up");
  console.log("Move Up");
  console.log("Move Up");
  console.log("Move Up");
  console.log("Move Right");
  console.log("Move Right");

  console.log("Buy "+calcBottles(money,1.5)+" bottles of Milk.");

  console.log("Move Left");
  console.log("Move Down");
  console.log("Move Down");
  console.log("Move Down");
  console.log("Move Down");
  console.log("Move Left");
  console.log("Move Left");
  console.log("Enter House");
      console.log("Hello master, here is your "+calcChange(money,1.5)+" change.");

  }
< undefined
> //Calculate Bottles Function
  function calcBottles(startingMoney, costPerBottle){
      var noOfBottles = Math.floor(startingMoney/costPerBottle);
      return noOfBottles;
  }
< undefined
> //Calculate Change Function
  function calcChange(startingMoney, costPerBottle){
      var change = startingMoney%costPerBottle;
      return change;
  }
< undefined
```

```
> //Function Call
<- undefined
> getMilk(10);
  Leave House
  Move Right
  Move Right
  Move Up
  Move Up
  Move Up
  Move Up
  Move Right
  Move Right
  Buy 6 bottles of Milk.
  Move Left
  Move Down
  Move Down
  Move Down
  Move Down
  Move Left
  Move Left
  Enter House
  Hello master, here is your 1 change.
<- undefined
>
```