

```
7  function addToCart() {  
8    var coupElem= $("#couponButt");  
9    selItem= getItemInfo($(".merchandise"));  
10   for(var i=0; i<availItems.length; i++){  
11     if(availItems[i].name == selItem.name)  
12       availItems[i].count -= selItem.quantity;  
13   }  
  ...  
}
```

The diagram illustrates variable dependencies in the code. A dashed arrow originates from the `selItem` variable on line 9 and points to its usage in the `if` condition on line 11 and the subtraction operation on line 12. Another dashed arrow originates from the `availItems` array on line 10 and points to its usage in the `if` condition on line 11 and the array access on line 12. Dashed boxes are drawn around the `selItem` variable on line 9, the `selItem.name` expression on line 11, the `selItem.quantity` expression on line 12, and the `availItems` array on line 10 to highlight these dependencies.