

JavaScript Functions Returning Data Notes

Overview

- Functions can return data to the calling code using **return**, enhancing versatility.

Example (Shipping Calculator)

```
function calcTot(merchTot) {  
  var orderTot;  
  if (merchTot >= 100) {  
    orderTot = merchTot;  
  } else if (merchTot < 50.01) {  
    orderTot = merchTot + 5;  
  } else {  
    orderTot = merchTot + 5 + (0.03 * (merchTot - 50));  
  }  
  return orderTot;  
}  
var totalToCharge = calcTot(79.99); // Returns 85.49
```

Key Points

- **Returning Data:**
 - Use **return** to send a value back: `return orderTot;`
- **Catching Returned Value:**
 - Store in a variable: `var totalToCharge = calcTot(79.99);`
 - Variable names in calling code and function dont need to match.
- **Functions as Variables:**
 - Use returned value in:
 - * Alerts: `alert(calcTot(79.99));`
 - * Expressions: `var orderTot = merchTot + calcTax(merchTot);`
 - * Other function calls: `var tot = calc(merchTot, calcTax(merchTot));`
 - Call another function internally: `return price + calcShip(price);`
- **Limitation:**
 - Only one value can be returned per function call.