

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01//EN"
    "http://www.w3.org/TR/html4/strict.dtd">

<html xmlns="http://www.w3.org/1999/xhtml" lang="en">
<link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/
3.2.0/css/bootstrap.min.css">
<link rel="stylesheet" href="style.css">
<head>
    <meta http-equiv="Content-Type" content="text/html;
charset=utf-8" />
    <title>Summerville Seaworld Ticket Sales Summary</title>
    <meta name="Jeremy McClelland" content="Ticket Sales" />

<script>
//getTicketType function
function getTicketType(){
    var ticketType = "";

    ticketType = prompt("Please select C for Child, J for junior, or A
for adult or Q to quit", "");
    ticketType = ticketType.toUpperCase();

    while (ticketType != "C" && ticketType != "J" && ticketType != "A"
&& ticketType != "Q"){
        ticketType = prompt("that is not a valid input. Please select C for
Child, J for junior, or A for adult or Q to quit", "");
        ticketType = ticketType.toUpperCase();
    };

    return ticketType;
} //end getTicketType function

////////////////////////////////////////

//getQuantity
function getQuantity(ticketName){
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```
var ticketQuantity = 0;
ticketQuantity = prompt("Please input how many " + ticketName + "
tickets that were purchased", 0);
ticketQuantity = parseInt(ticketQuantity);

while (ticketQuantity > 10 || ticketQuantity < 0 || isNaN
(ticketQuantity) ){
    ticketQuantity = prompt("That is not a valid input. Please input
how many tickets that were purchased", 0);
    ticketQuantity = parseInt(ticketQuantity);
};
return ticketQuantity;

} //getQuantity ends

////////////////////////////////////

//getCharge
function getCharge(ticketName){
    var ticketCharge = 0.0;
    if (ticketName == "Child"){
        ticketCharge = 0;
    }else{
        ticketCharge = prompt("Please input the total amount charged for
this sale", 0.0);
        ticketCharge = parseFloat(ticketCharge);

        while (ticketCharge < 0 || isNaN(ticketCharge) ){
            ticketCharge = prompt("That is not a valid input. Please input the
total amount charged for this sale", 0);
            ticketCharge = parseFloat(ticketCharge);
        };
        return ticketCharge;
    }

} //getCharge ends

////////////////////////////////////
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```
//findTicketName begins
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```
function findTicketName(ticketType){  
    var ticketName = "";  
  
    if(ticketType == "C"){  
        ticketName = "Child";  
    } else if (ticketType == "J"){  
        ticketName = "Junior";  
    } else {  
        ticketName = "Adult";  
    }  
  
    return ticketName;  
}
```

```
//end findTicketName
```

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////////////////////////////////////
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```
//begin getDelta function
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```
function getDelta(ticketName, ticketQuantity, ticketCharge){  
  
    var DELTA = 0.0;  
    if(ticketName == "Child"){  
        DELTA = ticketCharge - (ticketQuantity * CHILD);  
    } else if (ticketName == "Junior"){  
        DELTA = ticketCharge - (ticketQuantity * JUNIOR);  
    } else {  
        DELTA = ticketCharge - (ticketQuantity * ADULT);  
    }  
    return DELTA;  
}
```

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////////////////////////////////////
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```
//displayOneOrder function begins
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```
function displayOneOrder(orderNumber, ticketName, ticketQuantity,  
ticketCharge, DELTA){  
    //BINGO, to make this work, the DIV has to populate dom before script  
    tag with main function call  
    if(ticketName == "Child"){  
        document.getElementById("mainContent").innerHTML =
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document.getElementById("mainContent").innerHTML + (
    "<table class='table table-condensed'><tr><th>#</th><th>TYPE</th><th>QTY</th><th>ACTUAL CHG</th><th>DELTA</th></tr>" +
    "<tr><td>" + orderNumber + "</td><td>" + ticketName + "</td><td>" + ticketQuantity + "</td><td></td><td></td></tr></table>");
}else{

    document.getElementById("mainContent").innerHTML =
document.getElementById("mainContent").innerHTML + (
    "<table class='table table-condensed'><tr><th>#</th><th>TYPE</th><th>QTY</th><th>ACTUAL CHG</th><th>DELTA</th></tr>" +
    "<tr><td>" + orderNumber + "</td><td>" + ticketName + "</td><td>" + ticketQuantity + "</td><td>$" + ticketCharge.toFixed(2) + "</td><td>" + DELTA.toFixed(2) + "</td></tr></table>");

}}//end of displayOneOrder

////////////////////////////////////////

// displayFinalReport function starts
function displayFinalReport(orderNumber, adultTicketCount, adultTotal,
juniorTicketCount, juniorTotal, childTicketCount, childTotal,
totalTicketSales){

    var myBtn = document.getElementById('myBtn');
    myBtn.addEventListener('click', function(event) {
    document.getElementById("mainContent").innerHTML = (
        "<h3>Number of records: " + orderNumber + "</h3>" +
        "<h3>Sales Totals</h3>" + BREAK +
        "<table class='table table-condensed'><tr><th>TICKET TYPE</th><th>TOTAL TICKET</th><th>TOTAL REVENUE</th></tr>" +
        "<tr><td>ADULT</td><td>" + adultTicketCount + "</td><td>$" + adultTotal.toFixed(2) + "</td></tr>" +
        "<tr><td>JUNIOR</td><td>" + juniorTicketCount + "</td><td>$" + juniorTotal.toFixed(2) + "</td></tr>" +
        "<tr><td>CHILD</td><td>" + childTicketCount + "</td><td>FREE</td></tr></table>" +
        "<h3>TOTAL REVENUE: $" + totalTicketSales.toFixed(2) + "</h3>");
    }
    );
}

```

```
    });  
}  
  
////////////////////////////////////  
    //constant  
var CHILD    = 0.0;  
var JUNIOR   = 7.50;  
var ADULT    = 11.50;  
var BREAK    = "<br/>";  
  
function main(){  
    //start main  
  
    var childTicketCount = 0;  
    var childTotal = 0.0;  
    var juniorTicketCount = 0;  
    var juniorTotal = 0.0;  
    var adultTicketCount = 0;  
    var adultTotal = 0.0;  
  
    var totalTicketSales = 0.0;  
  
    var orderNumber = 0;  
  
    var ticketType = getTicketType();  
  
    while(ticketType != "Q"){  
        orderNumber++;  
        var ticketName = findTicketName(ticketType);  
        var ticketQuantity = getQuantity(ticketName);  
  
        var ticketCharge = getCharge(ticketName);  
        var DELTA = getDelta(ticketName, ticketQuantity, ticketCharge);  
        displayOneOrder(orderNumber, ticketName, ticketQuantity,  
ticketCharge, DELTA);  
  
        //counter  
        if (ticketName == "Child"){
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```
        childTicketCount += ticketQuantity;
        childTotal += ticketCharge;
    } else if (ticketName == "Junior"){
        juniorTicketCount += ticketQuantity;
        juniorTotal += ticketCharge;
    } else {
        adultTicketCount += ticketQuantity;
        adultTotal += ticketCharge;
    }
    var ticketType = getTicketType();
}
totalTicketSales = childTotal + juniorTotal + adultTotal;
//adds button to end of data, then replaces with final report after
being clicked
document.getElementById("mainContent").innerHTML =
document.getElementById("mainContent").innerHTML + ("<button id =
'myBtn' type = 'button' class = 'btn btn-primary'>FINAL REPORT</
button>");
displayFinalReport(orderNumber, adultTicketCount, adultTotal,
juniorTicketCount, juniorTotal, childTicketCount, childTotal,
totalTicketSales)
//end Main function
};
```

////////////////////////////////////

```
</script>
</head>
<body>
```

```
<h1>Summerville Sea World</h1>
```

```
<script type="text/javascript">
//FILE : seaworld_Ticket_Sales.html
//PROG : Jeremy McClelland
//PURP : Calculates ticket summary for current date
```

```
//Date
var today = new Date();
var dd = today.getDate();
var mm = today.getMonth()+1; //January is 0!
var yyyy = today.getFullYear();

if(dd<10) {
    dd='0'+dd
}

if(mm<10) {
    mm='0'+mm
}

today = mm+'/'+dd+'/'+yyyy;

document.write ("<h3>TICKET SALES REPORT FOR DATE: " + today + "</h3>");

</script>

<div id = "mainContent">

</div>

<script>
main();
</script>

<!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
```

McClelland_final_version2.html

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/1.11.1/
jquery.min.js"></script>
<!-- Include all compiled plugins (below), or include individual
files as needed -->
<script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/
bootstrap.min.js"></script>
```

```
</body>
</html>
```