

Programming Concepts

Week 3 **Pass** Submission Tasks Template

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[Pass Task 6 set of screenshots with valid seating category and invalid quantity](#)

Paste the screen capture of the tickets sale calculator web page as shown by the browser here.

Concepts/w3P2.html

C: Victorian Te

L Eco

This page says

Please enter seating area category:

s|

OK

Cancel

0Concepts/w3P2.html

AC: Victorian Te

L Eco

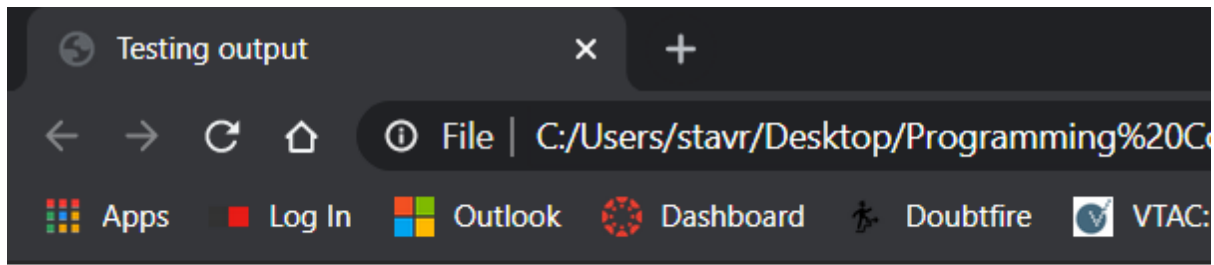
This page says

Please enter ticket quantity:

21|

OK

Cancel

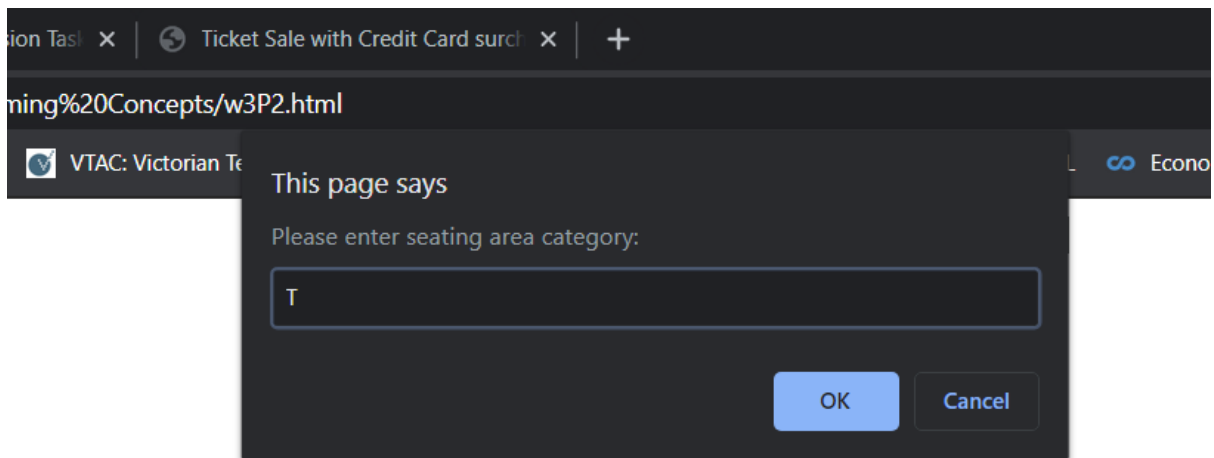


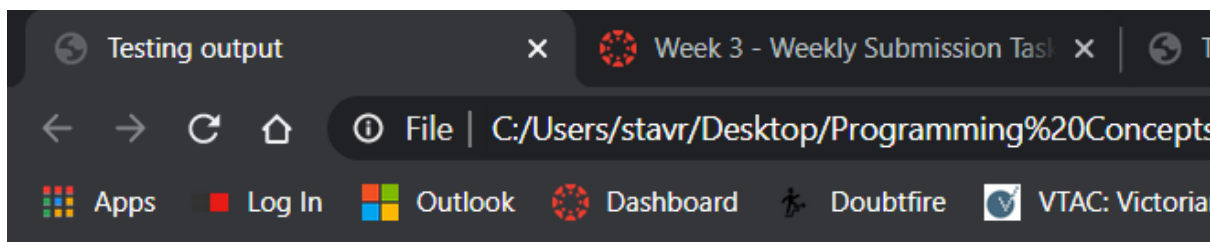
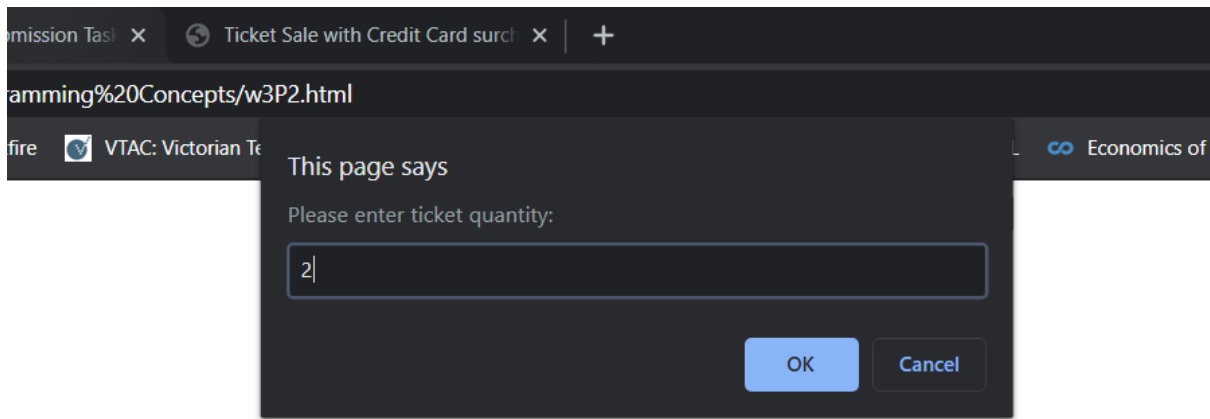
Ticket quantity must be between 1 and 20. Please try again

Produced by Mario Stavreski

Pass Task 6 set of screenshots with invalid seating category and valid quantity

Paste the screen capture of the tickets sale calculator web page as shown by the browser here.



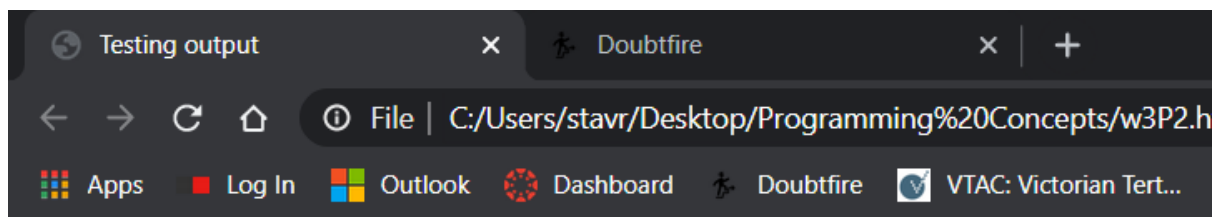
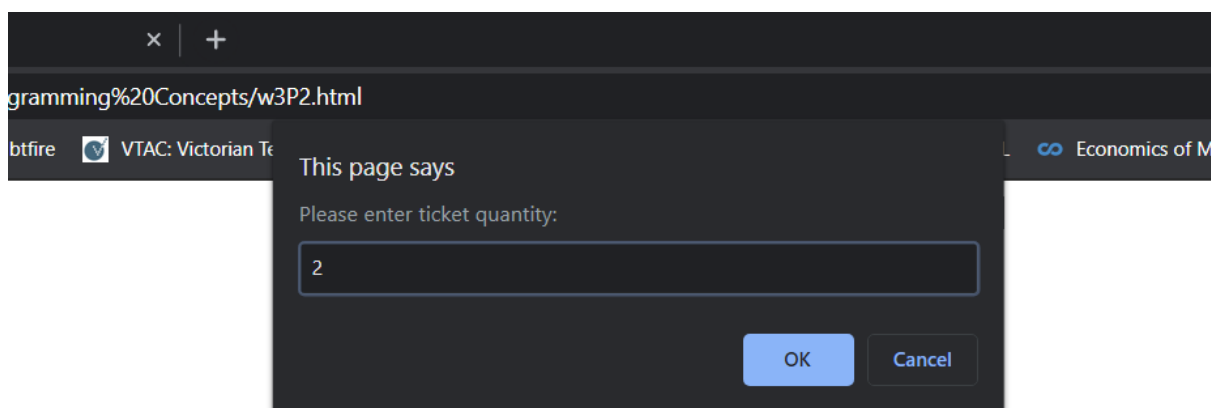
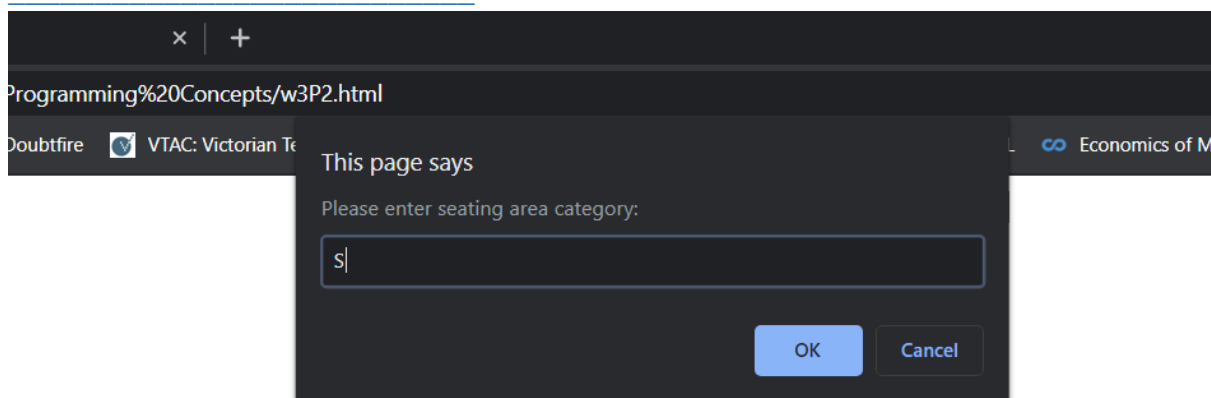


It is not a valid seating area category. Please try again.

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Pass Task 6 set of screenshots with valid seating category and valid quantity (testing EVERY seating area category, at least 4 screenshots)

Paste the screen capture of the tickets sale calculator web page as shown by the browser here.



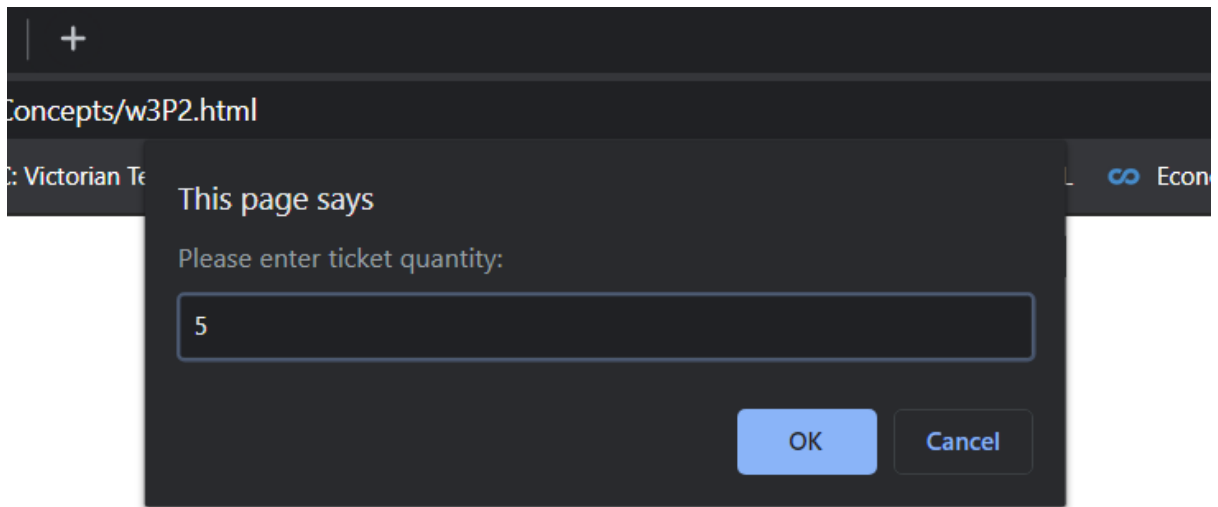
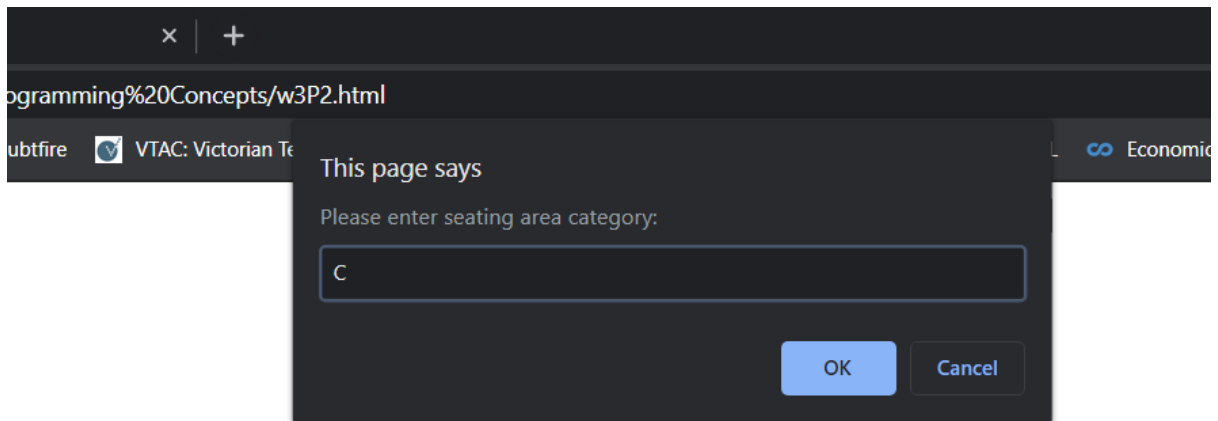
Your seating area is: S

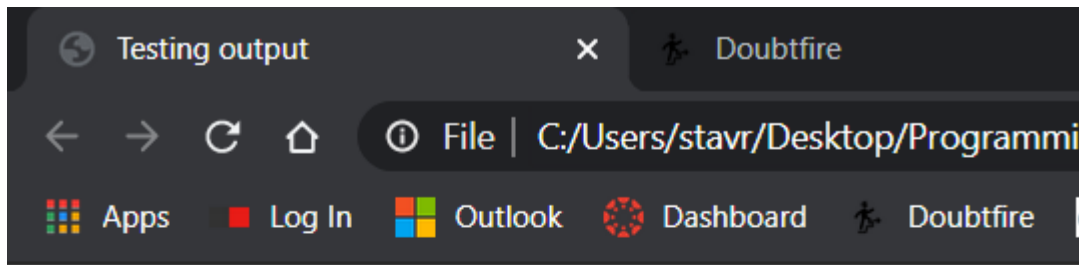
Price per ticket: 180

Number of tickets ordered: 2.00

Amount due: 367

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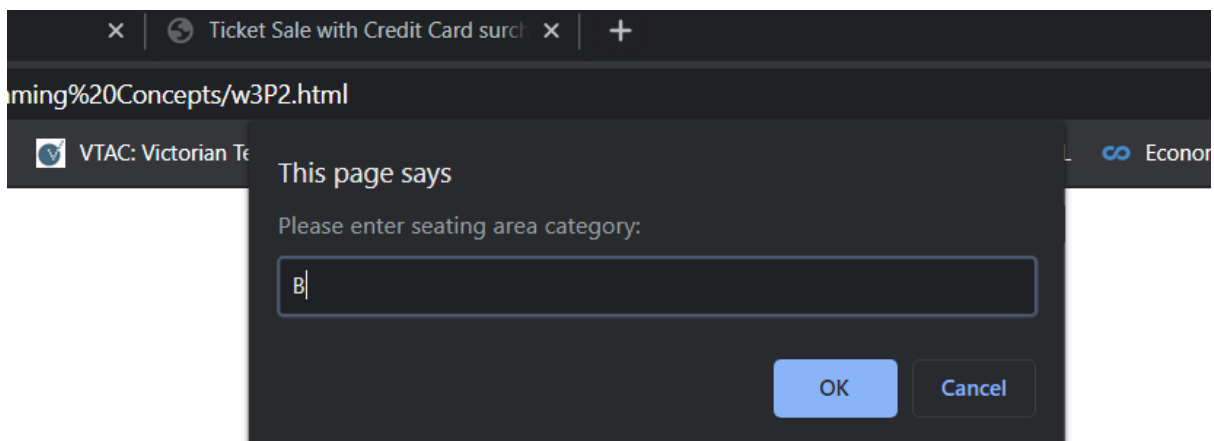
Your seating area is: C

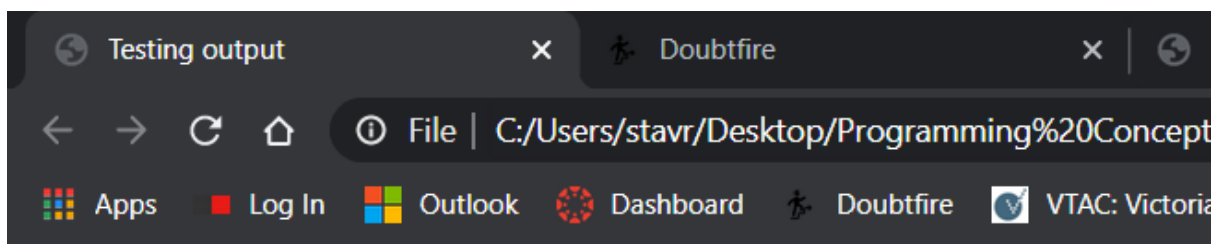
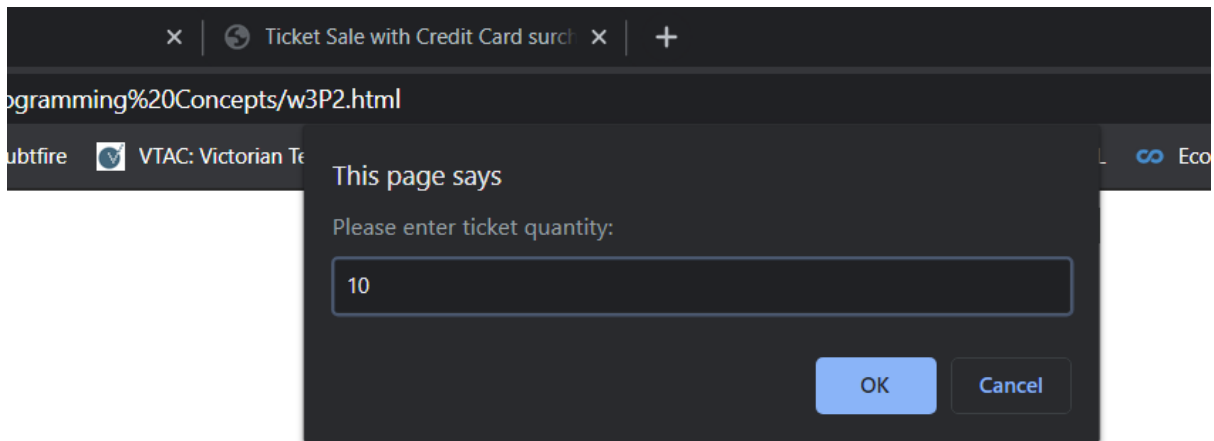
Price per ticket: 150

Number of tickets ordered: 5.00

Amount due: 757

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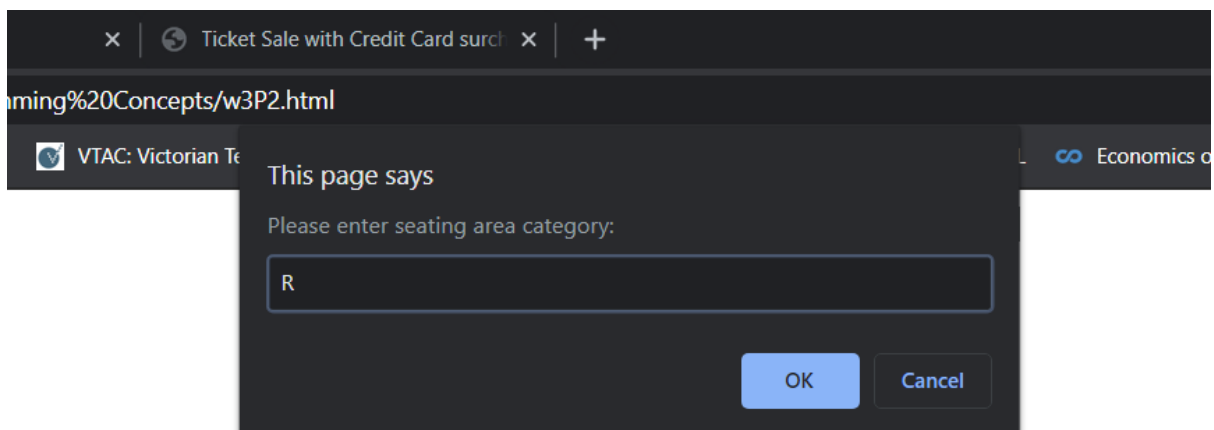
Your seating area is: B

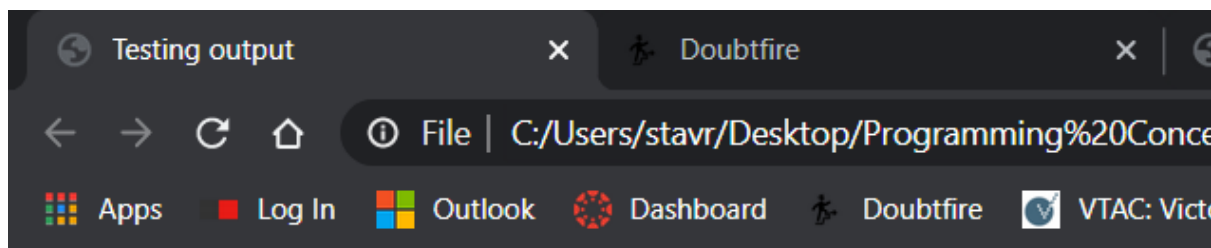
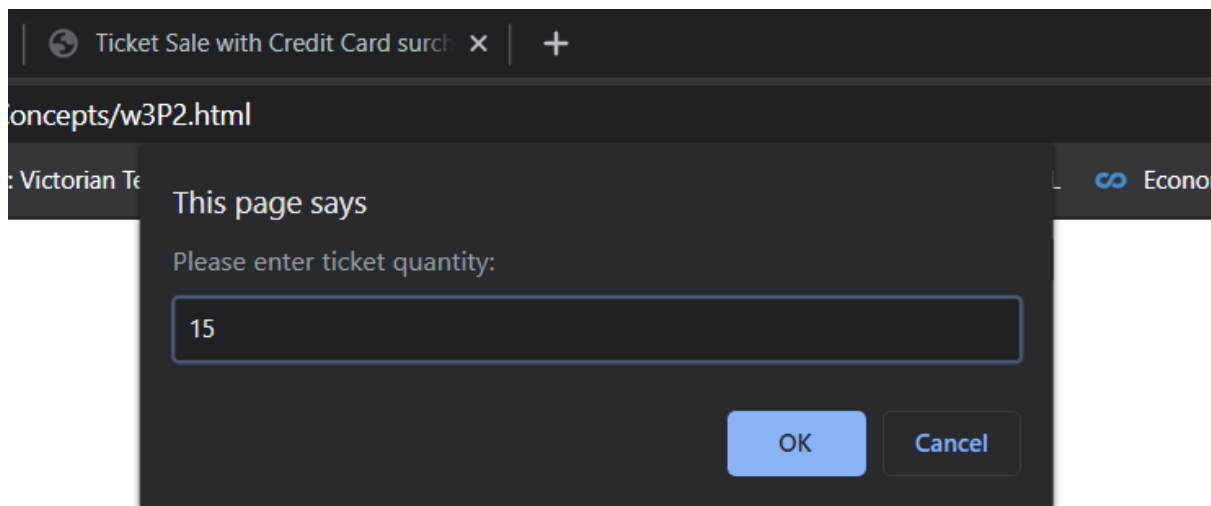
Price per ticket: 100

Number of tickets ordered: 10.00

Amount due: 1007

Produced by Mario Stavreski





Your seating area is: R

Price per ticket: 70

Number of tickets ordered: 15.00

Amount due: 1057

Produced by Mario Stavreski

[Pass Task 6 html code](#)

Paste the html code of the same page here.

```
w3P2.html — C:\Users\stavr\Desktop\Programming Concepts — Atom
File Edit View Selection Find Packages Help
w3P2.js w3P2.html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4   <meta charset="utf-8" />
5   <meta name="description" content="dynamic HTML" />
6   <meta name="keywords" content="ticket, cost, calculator" />
7   <meta name="author" content="Mario Stavreski" />
8   <title>Testing output</title>
9   <script src="w3P2.js"></script>
10 </head>
11 <body>
12 <header>
13 </header>
14 <article>
15
16   <p id="seatingArea"></p>
17   <p id="pricePerTicket"></p>
18   <p id="ticketQty"></p>
19   <p id="amountDue"></p>
20
21 </article>
22 <footer><p>Produced by Mario Stavreski</p></footer>
23 </body>
24 </html>
25
```

Pass Task 6 JavaScript code

Paste the JavaScript code of the same page here.

```
w3P2.js      w3P2.html

1  /* Filename: w3P2.js
2     Target html: w3P2.html
3     Purpose : Calculate the cost of tickets based on seating are and ticket quantity
4     Author: Mario Stavreski
5     Date written: 28/03/2020
6     Revisions: v1.0
7  */
8
9
10 function determineTicketPrice(seatingAreaCategory) { // determines seating category
11
12     var ticketPrice;
13     switch(seatingAreaCategory) {
14
15         case "S": case "s":
16             ticketPrice = 180; break;
17         case "C": case "c":
18             ticketPrice = 150; break;
19         case "B": case "b":
20             ticketPrice = 100; break;
21         case "R": case "r":
22             ticketPrice = 70; break;
23         default:
24             ticketPrice = 0; break;
25     } // end switch
26     return ticketPrice;
27 }
28
```

```
29 function totalAmount(ticketPrice, ticketQty) { // calculates total amount due
30
31     return ticketPrice * ticketQty + 7;
32 }
33
34 function validateQty(ticketQty) { // validates ticket quantity
35
36     if (ticketQty>=1 && ticketQty<=20) {
37         return true;
38     }
39     else {
40         alert("Ticket number must be between 1 and 20");
41         return false;
42     }
43 }
```

```
w3P2.js
45 function init() {
46     var seatingAreaCategory;
47     seatingAreaCategory = prompt("Please enter seating area category: ");
48
49     var ticketPrice = determineTicketPrice(seatingAreaCategory);
50     ticketPrice = Number(ticketPrice);
51
52     var ticketQty;
53     ticketQty = prompt("Please enter ticket quantity: ");
54     ticketQty = Number(ticketQty);
55
56     var ticketCost;
57     ticketCost = totalAmount(ticketPrice, ticketQty);
58
59     var validQty = validateQty(ticketQty);
60
61     if (validQty && ticketPrice > 0) {
62         var seatOut = document.getElementById("seatingArea").innerHTML = "Your seating area is: " + seatingAreaCategory;
63         var priceOut = document.getElementById("pricePerTicket").innerHTML = "Price per ticket: " + ticketPrice;
64         var validQtyOut = document.getElementById("ticketQty").innerHTML = "Number of tickets ordered: " + ticketQty.toFixed(2);
65         var costOut = document.getElementById("amountDue").innerHTML = "Amount due: " + ticketCost;
66     }
67     else {
68         if (ticketPrice == 0){
69             if (validQty == true) {
70                 var seatingErrorOut = document.getElementById("seatingArea");
71                 seatingErrorOut.innerHTML = seatingAreaCategory + " is not a valid seating area category. Please try again.";
72             }
73         }
74         if (validQty == false) {
75             var qtyErrorOut = document.getElementById("ticketQty");
76             qtyErrorOut.innerHTML = "Ticket quantity must be between 1 and 20. Please try again";
77         }
78     }
79 }
80
81 window.onload = init;
```