CSE3002 - Internet and Web Programming

Question 1:

```
<!DOCTYPE html>
<html>
<head>
    <title>17BCI0113 - Assessment 3 - Q1</title>
</head>
<body>
    <h3>Guess a number from 1-100</h3>
    <input type="text" id="guessField"> <br> <br>
    <button id="btnGuess">Guess</putton> <br> <br>
    <input type="text" id="hintField" disabled>
    <script>
       var randomNumber;
       function generateRandomNumber() {
             document.getElementById('guessField').value = "";
document.getElementById('hintField').value = "";
              randomNumber = Math.trunc(Math.random() * 100);
              console.log(randomNumber);
       }
       function makeGuess() {
              var guessValue =
Number(document.getElementById('guessField').value);
              var hintField = document.getElementById('hintField');
              if(guessValue === randomNumber) {
                    hintField.value = 'Correct Guess!';
                    alert('Generating a new random number.');
                    generateRandomNumber();
              else if(guessValue < randomNumber)</pre>
                    hintField.value = 'Go higher.';
              else if(guessValue > randomNumber)
                    hintField.value = 'Go lower.';
       }
       generateRandomNumber();
       document.getElementById('btnGuess').addEventListener('click',
makeGuess);
    </script>
</body>
</html>
```

CSE3002 - Internet and Web Programming

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Guess a number from 1-100



Guess a number from 1-100





CSE3002 - Internet and Web Programming

Question 2:

```
<!DOCTYPE html>
<html>
<head>
    <title>17BCI0113 - Assessment 3 - Q1</title>
</head>
<body>
       <label>Starters:
       <select id="selectStarters" multiple></select>
       <br> <br>>
       <label>Main Course:</label> <br>
       <select id="selectMain" multiple></select>
       <br >
       <label>Drinks:</label> <br>
       <select id="selectDrinks"></select>
       <br> <br>>
       <textarea id="orderDetails" disabled cols=50 rows=15></textarea>
       <br> <br>>
       <input type="reset">
    </form>
    <script>
       var mainCourseDishes = {
             "Paneer Butter Masala": 75,
             "Kadai Paneer": 65,
             "Gobi Masala": 50,
             "Chicken Tikka": 95,
       };
       var starters = {
             "French Fries": 50,
             "Potato Wedges": 60,
             "Onion Rings": 65,
             "Garlic Bread": 55,
       };
       var softDrinks = {
             "Pepsi": 35,
             "Coca Cola": 40,
             "Mountain Dew": 35,
       }
       function generateSelects() {
             var mainKeys = Object.keys(mainCourseDishes);
             var starterKeys = Object.keys(starters);
```

CSE3002 - Internet and Web Programming

```
var drinkKeys = Object.keys(softDrinks);
             for(var i = 0; i < mainKeys.length; i++)</pre>
                   document.getElementById('selectMain').innerHTML +=
`<option value="${mainKeys[i]}">${mainKeys[i]} -
${mainCourseDishes[mainKeys[i]]}</option>`;
             for(var i = 0; i < starterKeys.length; i++)</pre>
                   document.getElementById('selectStarters').innerHTML +=
`<option value="${starterKeys[i]}">${starterKeys[i]} -
${starters[starterKeys[i]]}</option>`;
             for(var i = 0; i < drinkKeys.length; i++)</pre>
                   document.getElementById('selectDrinks').innerHTML +=
`<option value="${drinkKeys[i]}">${drinkKeys[i]} -
${softDrinks[drinkKeys[i]]}</option>`;
             document.getElementById('orderDetails').value = "";
       }
       function calculateCosts() {
             var mainOptions =
document.getElementById('selectMain').options;
             var starterOptions =
document.getElementById('selectStarters').options;
             var drinksOptions =
document.getElementById('selectDrinks').options;
             var total = 0:
             var orderDetailsBox = document.getElementById('orderDetails');
             orderDetailsBox.value = "";
             var starterText = "====== STARTERS =======\n";
             var starterCount = 0;
             for(var i = 0; i < starterOptions.length; i++) {</pre>
                   if(starterOptions[i].selected) {
                         starterCount++;
                         starterText += starterOptions[i].text + "\n";
                         total += starters[starterOptions[i].value];
                   }
             if(starterCount > 0)
                   orderDetailsBox.value += starterText;
             var mainText = "====== MAIN COURSE =======\n";
             var mainCount = 0;
             for(var i = 0; i < mainOptions.length; i++) {</pre>
                   if(mainOptions[i].selected) {
                         mainCount++;
                         mainText += mainOptions[i].text + "\n";
                         total += mainCourseDishes[mainOptions[i].value];
                   }
```

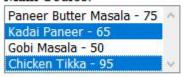
CSE3002 - Internet and Web Programming

```
if(mainCount > 0)
                   orderDetailsBox.value += mainText;
             orderDetailsBox.value += "======= DRINKS =======\n";
             for(var i = 0; i < drinksOptions.length; i++) {</pre>
                   if(drinksOptions[i].selected) {
                         orderDetailsBox.value += drinksOptions[i].text +
"\n";
                         total += softDrinks[drinksOptions[i].value];
                   }
             }
             orderDetailsBox.value += "\n\nTotal Cost = " + total;
       }
       generateSelects();
       document.getElementById('selectMain').addEventListener('change',
calculateCosts);
       document.getElementById('selectStarters').addEventListener('change',
calculateCosts);
       document.getElementById('selectDrinks').addEventListener('change',
calculateCosts);
    </script>
</body>
</html>
```

CSE3002 - Internet and Web Programming



Main Course:



Drinks:

Pepsi - 35

```
French Fries - 50
Onion Rings - 65
======== MAIN COURSE =======

Kadai Paneer - 65
Chicken Tikka - 95
======= DRINKS =======

Pepsi - 35

Total Cost = 310
```

Reset