

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</button> <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();

```
        document.getElementById('btnGuess').addEventListener('click',
makeGuess);
      }
    }
  </script>
</body>
</html>
```

Lab Assessment 3

CSE3002 - Internet and Web Programming

17BCI0113 - Namit Nathwani

Prof. Nalini N. - L49+L50

Guess a number from 1-100

Guess a number from 1-100

Guess a number from 1-100

Generating a new random number.

Question 2:

```
<!DOCTYPE html>
<html>

<head>
  <title>17BCI0113 - Assessment 3 - Q1</title>
</head>

<body>
  <form>
    <label>Starters:</label> <br>
    <select id="selectStarters" multiple></select>
    <br> <br>
    <label>Main Course:</label> <br>
    <select id="selectMain" multiple></select>
    <br> <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);
```

```
        var drinkKeys = Object.keys(softDrinks);

        for(var i = 0; i < mainKeys.length; i++)
            document.getElementById('selectMain').innerHTML +=
`<option value="${mainKeys[i]}">${mainKeys[i]} -
${mainCourseDishes[mainKeys[i]]}</option>`;

        for(var i = 0; i < starterKeys.length; i++)
            document.getElementById('selectStarters').innerHTML +=
`<option value="${starterKeys[i]}">${starterKeys[i]} -
${starters[starterKeys[i]]}</option>`;

        for(var i = 0; i < drinkKeys.length; i++)
            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++) {
            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++) {
            if(mainOptions[i].selected) {
                mainCount++;
                mainText += mainOptions[i].text + "\n";
                total += mainCourseDishes[mainOptions[i].value];
            }
        }
    }
}
```

```
        }
        if(mainCount > 0)
            orderDetailsBox.value += mainText;

        orderDetailsBox.value += "===== DRINKS =====\n";
        for(var i = 0; i < drinksOptions.length; i++) {
            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>
```

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Starters:

French Fries - 50	^
Potato Wedges - 60	
Onion Rings - 65	
Garlic Bread - 55	v

Main Course:

Paneer Butter Masala - 75	^
Kadai Paneer - 65	
Gobi Masala - 50	
Chicken Tikka - 95	v

Drinks:

Pepsi - 35	v
------------	---

```
===== STARTERS =====  
French Fries - 50  
Onion Rings - 65  
===== MAIN COURSE =====  
Kadai Paneer - 65  
Chicken Tikka - 95  
===== DRINKS =====  
Pepsi - 35  
  
Total Cost = 310
```

Reset