

Create Performance Task\Valentine Generator\valentine_generator.html

```

1  <!DOCTYPE html>
2  <html>
3
4  <head>
5      <title>Custom Valentine Generator</title>
6      <style>
7          body {
8              padding: 15px 0;
9              text-align: center;
10             background: rgb(255, 142, 198);
11             font-family: cursive;
12             border: 10px double rgb(255, 0, 85);
13             color: rgb(221, 0, 0)
14         }
15
16         p {
17             text-align: center;
18             font-family: 'Times New Roman', Times, serif;
19             color: rgb(0, 0, 0)
20         }
21     </style>
22     <script>
23         // Image Citation: https://www.goodhousekeeping.com/holidays/valentines-day-
24         ideas/a30273635/what-to-write-in-valentines-day-card/
25         let customName = ""
26         let customList = []
27         let randomAdjectives = ["nice", "funny", "sweet", "kind", "thoughtful", "jolly", "
28         exceptional", "smart", "emphatic", "fun", "hilarious", "cool"]
29
30         // Description: Return a random integer, n, such that min <= n <= max
31         // Citation: Mozilla Foundation
32         // https://developer.mozilla.org/en-
33         US/docs/Web/JavaScript/Reference/Global_Objects/Math/random
34         // Input/Parameters: Two floating point numbers, min and max
35         // Output/Return: Returns a random integer between min and max
36         function randomInt(min, max) {
37             min = Math.ceil(min);
38             max = Math.floor(max);
39
40             return Math.floor(Math.random() * (max - min + 1)) + min;
41         }
42
43         // Description: Takes set of random adjectives from the list and gives a certain
44         number of them
45         // Citation: None
46         // Input/Parameters: Number of adjectives and list of the adjectives
47         // Output/Return: New list with a certain number
48         function generateRanAdjList(num, inputList) {
49             let tempAdjectives = [];
50
51             while (tempAdjectives.length < num) {
52                 let ranIndex = randomInt(0, inputList.length - 1)
53                 let adjective = inputList[ranIndex]
54                 if (!tempAdjectives.includes(adjective)) {

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51         tempAdjectives.push(adjective)
52     }
53 }
54 return tempAdjectives;
55 }
56
57 // Description: Takes a list and formats it accordingly
58 // Citation: None
59 // Input/Parameters: List of adjectives
60 // Output/Return: Formatted version of list with spaces
61 function formatList(inputList) {
62     let output = ""
63     for (i = 0; i < inputList.length; i++) {
64         output += inputList[i]
65         if (i < inputList.length - 1) {
66             output += "<br>"
67         }
68     }
69     return output
70     console.log(output)
71 }
72
73 // Description: Fully composes the valentine letter
74 // Citation: None
75 // Input/Parameters: Name and list of adjectives
76 // Output/Return: A fully compose letter toward a person with adjectives describing
them
77 function composeValentine(inputName, array) {
78     let friendShip = ""
79     if (array.length > 5) {
80         friendShip = "best";
81         let randomIndex = randomInt(0, array.length - 1)
82         array[randomIndex] = "❤️❤️❤️"
83     }
84     else {
85         friendShip = "nice"
86     }
87     let valentine = "Dear " + inputName + ", " + "<br>" + "Happy Valetine's Day!" + "<br>" +
88         "Here are a list of qualities that represent you" + "<br>" +
formatList(array) + "<br>" +
89         "You are my " + friendShip + " friend." + "<br>" +
90         "From your friend, Aakash"
91     return valentine
92 }
93
94 // Description: Displays certain message based on option picked
95 // Citation: None
96 // Input/Parameters: Name
97 // Output/Return: A composed message
98 function getValentine() {
99     let names = nameInputId.value
100     let list = []
101     let output = ""
102     if (names == "Suzy") {
103         list = generateRanAdjList(4, randomAdjectives)
104         output += "<br>" + composeValentine("Suzy", list)

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105     else if (names == "Sanjay") {
106         list = generateRanAdjList(2, randomAdjectives)
107         output += "<br>" + composeValentine("Sanjay", list)
108     }
109     else if (names == "Nick") {
110         list = generateRanAdjList(8, randomAdjectives)
111         output += "<br>" + composeValentine("Nick", list)
112     }
113     else if (names == "Custom") {
114         list = generateRanAdjList(customList.length, customList)
115         output += "<br>" + composeValentine(customName, customList)
116     }
117     idDivLetter.innerHTML = output
118 }
119 // Description: Saves a custom name given by the user
120 // Citation: None
121 // Input/Parameters: Custom Name
122 // Output/Return: Custom Name
123 function saveName() {
124     customName = idName.value
125     idCustomNameContainer.innerHTML = customName
126 }
127 // Description: Saves custom adjectives given by the user
128 // Citation: None
129 // Input/Parameters: Set of adjectives
130 // Output/Return: Custom set of adjectives
131 function saveAdjective() {
132     let textBox = idAdjective.value
133     customList.push(textBox)
134     let formattedList = formatList(customList)
135     idCustomAdjectiveContainer.innerHTML = formattedList
136 }
137 // Description: Displays buttons and textboxes to type custom information
138 // Citation: None
139 // Input/Parameters: Custom Name and adjectives
140 // Output/Return: Fully composed message including those names and adjectives
141 function toggleCustom() {
142     idDivCustomInputs.innerHTML = ""
143     let everyCustom = "<input type='textbox' id='idName' placeholder='Enter your
name'>";
144     everyCustom += "<input type='button' value='Save Name' id='idCustomNameButton'
onclick='saveName()'>" + "<br>" + "Custom Name: ";
145     everyCustom += "<span id='idCustomNameContainer'></span>" + "<br>";
146     everyCustom += "<input type='textbox' id='idAdjective' placeholder='Enter
adjectives'>";
147     everyCustom += "<input type='button' value='Save Item' id='idCustomItemButton'
onclick='saveAdjective()'>" + "<br>" + "Custom Adjectives: ";
148     everyCustom += "<span id='idCustomAdjectiveContainer'></span>";
149
150     if (nameInputId.value == "Custom") {
151         idDivCustomInputs.innerHTML = everyCustom
152     }
153     else {
154         idDivCustomInputs.innerHTML = ""
155     }
156 }
157 </script>
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158 </head>
159
160 <body>
161   <h1>Custom Valentine Generator</h1>
162   
163   <p>Use the dropdown menu to select which Valentine you'd like to generate.</p>
164   <p>Suzy always gets a Valentine with 4 random adjectives, Sanjay always gets a <br>
165     Valentine with 2 random adjectives, and Nick always gets a Valentine with 8 <br>
166     random adjectives. You can also generate your own custom Valentine to a <br>
167     friend of your choice. If you use more than 8 adjectives, your friend will be <br>
168     classified as your BEST friend, and one of their adjectives will be replaced <br>
169     with emoji hearts!</p>
170   <select onChange="toggleCustom()" id="nameInputId">
171     <option>Suzy</option>
172     <option>Sanjay</option>
173     <option>Nick</option>
174     <option>Custom</option>
175   </select>
176   <br>
177   <br>
178   <br>
179   <div id="idDivCustomInputs"></div>
180   <div id="idButtonContainer"><input type="button" value="Create Valentine" onClick="
getValentine()"></div>
181   <div id="idDivLetter"></div>
182   <br>
183 </body>
184
185 </html>
```