

personal-website\projects\prog09\cards.js

```
1  /*
2      Name: Kevin Blinn
3      Class: CPSC 3750
4      Date Due: June 15th, 2024
5      Assignment: Prog09 - Card Object
6  */
7
8  // define the functions
9  function printCard() {
10     var nameLine = "<strong>Name: </strong>" + this.name + "<br>";
11     var emailLine = "<strong>Email: </strong>" + this.email + "<br>";
12     var addressLine = "<strong>Address: </strong>" + this.address + "<br>";
13     var phoneLine = "<strong>Phone: </strong>" + this.phone + "<br>";
14
15     // Add a birthday line
16     var birthdateLine = "<strong>Birthday: </strong>" + this.birthdate + "<hr>";
17
18     return nameLine + emailLine + addressLine + phoneLine + birthdateLine;
19 }
20
21 function Card(name,email,address,phone,birthdate) {
22     this.name = name;
23     this.email = email;
24     this.address = address;
25     this.phone = phone;
26
27     // Add a birthday property to the Card object
28     this.birthdate = birthdate;
29
30     this.printCard = printCard;
31 }
32
33 // Create an array to hold the cards
34 var cards = new Array();
35
36 // Create the objects
37 var sue = new Card("Sue Suthers", "sue@suthers.com", "123 Elm Street, Yourtown ST 99999", "555-555-9876", "01/01/1970");
38 var fred = new Card("Fred Fanboy", "fred@fanboy.com", "233 Oak Lane, Sometown ST 99399", "555-555-4444", "02/02/1971");
39 var jimbo = new Card("Jimbo Jones", "jimbo@jones.com", "233 Walnut Circle, Anotherville ST 88999", "555-555-1344", "03/03/1972");
40
41 cards.push(sue);
42 cards.push(fred);
43 cards.push(jimbo);
44
45
46 // Function that adds a new card to the array
47 function addCard() {
48
49     // Collect the data for the new card
50     var name = document.getElementById("name").value;
51     var email = document.getElementById("email").value;
```

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52     var address = document.getElementById("address").value;
53     var phone = document.getElementById("phone").value;
54     var birthdate = document.getElementById("birthdate").value;
55
56     // Create the new card and add it to the array
57     var addCard = new Card(name, email, address, phone, birthdate);
58     cards.push(addCard);
59
60     // Display the card as it gets added
61     var cardDiv = document.getElementById("cards");
62     cardDiv.innerHTML += addCard.printCard();
63
64     // Clear the form fields
65     document.getElementById("name").value = "";
66     document.getElementById("email").value = "";
67     document.getElementById("address").value = "";
68     document.getElementById("phone").value = "";
69     document.getElementById("birthdate").value = "";
70
71 }
72
73 // Loop through the array and display each card
74 function displayCards() {
75     var cardDiv = document.getElementById("cards");
76     cardDiv.innerHTML = "";
77     for (var i = 0; i < cards.length; i++) {
78         cardDiv.innerHTML += cards[i].printCard();
79     }
80 }
81
82
83
84
85
86
```