```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<title>Lucky for Life Game</title>

<script type="text/javascript">
        function numGen() { //produces an array of random 5 numbers + lucky ball
                //document.write("entering numGen <br>");
                var n,l;
                numbers = new Array(6);

                for (i = 0; i < 6; i++) { //consider numbers.length???
                //document.write("test number: " + i + "<br>");
                        if (i != 5) {
                                n = Math.random() * 47 + 1;
                                n = Math.round(n);
                                //document.write("The random number is: " + n + "<br>");
                                numbers[i] = n;
                                //document.write("element value: " + numbers[i] + "<br>");
                        }
                        else if (i = 5) { //at index position 5 in the array, lucky number
                                l = Math.random() * 17 + 1;
                                l = Math.round(l);
                                numbers[5] = l;
                        }
                }
                ////As part of the hw, here is the code to sort this generated array.
                //Sorting the original array:
                //numbers.sort(function(a,b) {return a-b;})
                //document.write("<br>");
                return numbers;
        }


        //Gathering data from user's inputs and sorting them into an array
        function setup() {
                //document.write("Entering setup <br>");
                input = new Array(6);
                var guesses = document.getElementById('rando');
                var oneshot = document.getElementById('lucky');
                var n = guesses.value;
                var m = oneshot.value;
                var t = n + ' ' + m;
                //document.write(t);

                t = t.split(' ');
                //document.write("This is n: " + t + " <br>");
```

```
                //document.write("Testing out parsing <br>");
                for (i = 0; i < 6; i++) {
                        input[i] = t[i];
                        //document.write(input[i]);
                }
                document.write("The numbers you guessed were: " + input + " <br>");
                generate(input);

                ////As part of the hw, here is the code to sort this user provided array.
                //Sorting the array:
                //input.sort(function(a,b) {return a-b;})
                //document.write("<br>");

        }

        function generate(userArr) {
                var generated;

                generated = numGen();
                document.write("The winning numbers were: " + generated + " <br>");

                comparison(userArr,generated);
        }

        function comparison(inputArr, matchArr) {
                var Lmatch = false;
                if (inputArr[5] == matchArr[5]) {
                        Lmatch = true;
                }

                var count = 0;
                for (i = 0; i < 5; i++) {
                        for (j = 0; j < 5; j++) {
                                if (inputArr[i] == matchArr[j]) {
                                        //document.write(i + inputArr[i]);
                                        //document.wrte(j + matchArr[j]);
                                        //document.write("There is a match");
                                        count++;
                                }
                        }
                }
                //document.write("Count: " + count);
                payout(count,Lmatch);
        }

        function payout(count,MatchBoo) {
                document.write("Your Payout Is.... <br>");
                if (MatchBoo == true) {
```

```javascript
if (count == 5) {
        document.write("Match: 5 + Lucky Ball!!!");
        document.write("Probability: 1 in 30,821,472");
        document.write("Prize: $7000 a WEEK for LIFE!!!");
} else if (count == 4) {
        document.write("Match: 4 + Lucky Ball!!!");
        document.write("Probability: 1 in 143,355");
        document.write("Prize: $5000!!!");
} else if (count == 3) {
        document.write("Match: 3 + Lucky Ball!!!");
        document.write("Probability: 1 in 3,413");
        document.write("Prize: $150!!!");
} else if (count == 2) {
        document.write("Match: 2 + Lucky Ball!!!");
        document.write("Probability: 1 in 249");
        document.write("Prize: $25!!!");
} else if (count == 1) {
        document.write("Match: 1 + Lucky Ball!!!");
        document.write("Probability: 1 in 49");
        document.write("Prize: $6!!!");
} else {
        document.write("Match: 0 + Lucky Ball!!!");
        document.write("Probability: 1 in 32");
        document.write("Prize: $4!!!");
}
}
else {
    if (count == 5) {
        document.write("Match: 5");
        document.write("Probability: 1 in 1,813,027");
        document.write("Prize: $25000 a YEAR for LIFE!!!");
    } else if (count == 4) {
        document.write("Match: 4");
        document.write("Probability: 1 in 8,432");
        document.write("Prize: $200!!!");
    } else if (count == 3) {
        document.write("Match: 3");
        document.write("Probability: 1 in 200");
        document.write("Prize: $20!!!");
    } else if (count == 2) {
        document.write("Match: 2");
        document.write("Probability: 1 in 14");
        document.write("Prize: $3!!!");
    } else {
        document.write("Better luck next time!");
    }
}
}
```

```html
</script>
</head>

<style>
        body {background-color: #95FF42;}
        h1 {color: #4249FF; text-align: center}
        h4 {color: #4249FF; text-align: center}
        form {text-align: center}
        menu {text-align: center}
        img {display: block; margin-left: auto; margin-right: auto; width: 50%;}
</style>

<body>
        <header>
                <h1> The Lottery </h1>
                <h4> Guess 5 numbers and a lucky ball number. If your answers match up to the
winning numbers, it's JACKPOT! </h4>
                <h4> What will you win? </h4>
        </header>
        <br><br>
        <form>
                5 Numbers Separated By Spaces: <input type="text" id="rando"/><br/>
                Lucky number: <input type="text" id="lucky"/><br/>
                <input type="button" value="Submit" onclick="setup();"/>
        </form>
        <br><br>
        <img src =
"https://cdnph.upi.com/sv/ph/og/upi_com/5981498057365/2017/1/b8f6a3229a77ef8f468a5a69cb247
5e3/v1.5/Michigan-woman-surprises-husband-with-winning-lottery-ticket.jpg">

</body>
</html>
```