Web Service Development	Student number	21300691
Homework 8	Name	Cheung, Won Sik

8_1

Code

```
<!DOCTYPE html>
<html>
        <script>
            function fibo(num){
                if(num == 0)
                    return 0;
                else if(num == 1)
                    return 1;
                    return fibo(num-1)+fibo(num-2);
            function makeFiboArray(num){
                var arr = [];
                for(i=0; i<num; i++){
                    arr.push(fibo(i));
                }
                return arr;
        </script>
    </head>
        <script>
            document.write(makeFiboArray(30).join(" "));
        </script>
    </body>
</html>
```

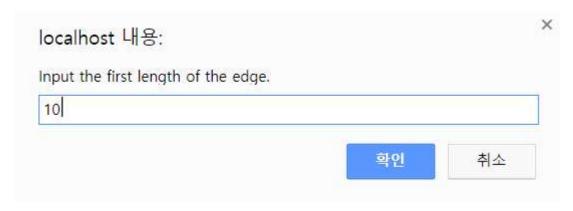
Result

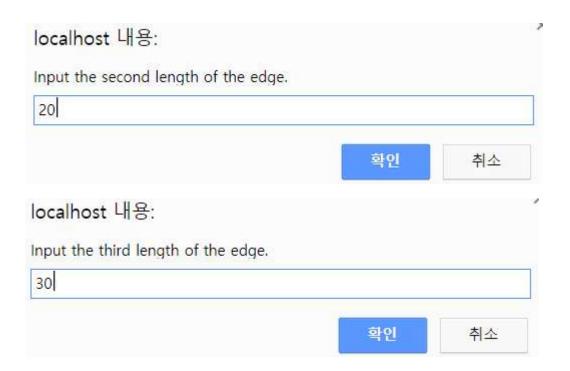
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368 75025 121393 196418 317811 514229

Code

```
<!DOCTYPE html>
<html>
        <script>
            var edge1 = prompt("Input the first length of the edge.", "Type
                Edge Length");
            var edge2 = prompt("Input the second length of the edge.", "
                Type Edge Length");
            var edge3 = prompt("Input the third length of the edge.", "Type
                Edge Length");
            var edges = [edge1, edge2, edge3];
            var area1 = edge1*edge2;
            var area2 = edge2*edge3;
            var area3 = edge3*edge1;
            var areas = [area1, area2, area3];
            var volume = edge1*edge2*edge3;
            //print edges
            document.write("The given length of edge of a cuboid is " +
                edges.join("-")+"<br>");
            document.write("The surface area is "+areas.join("-")+" and the
                volume is "+volume);
        </script>
    </head>
    </body>
</html>
```

Result





The given length of edge of a cuboid is 10-20-30 The surface area is 200-600-300 and the volume is 6000 Code

```
<!DOCTYPE html>
<html>
   <head>
        <script>
            var colors = ['red', 'orange', 'yellow', 'green', 'blue', 'navy'
                , 'purple', 'sky blue', 'brown', 'gray'];
            var arr = [];
            for(var i = colors.length-1; i>=0; i--){
                arr.push(colors[i]);
                colors.pop();
            }
            //print array
            var printNum =7;
            for(var i=0; i<printNum; i++)</pre>
                document.write(arr[i]+" ");
        </script>
   </head>
   <body>
   </body>
</html>
```

Result

gray brown sky blue purple navy blue green

Code

```
<script>
    while(true){
        var num = prompt("Input a positive integer", "Type a number"
            );
        if(num > 0 && Number.isInteger(parseFloat(num))){
            break;
        }
        alert("Input number is not a positive integer");
    }
    var i = num;
   var arr = [];
   while(i != 1){
       var j = 2;
        while(true){
            if(i%j == 0){
                arr.push(j);
                i /= j;
                break;
            j++;
       }
    }
    arr.sort(function(a,b){return b-a});
   document.write(num+", "+ arr.join("*"));
</script>
```

Result

```
localhost 내용:
Input a positive integer

1800
```

1800, 5*5*3*3*2*2*2