JS If Else Exercises

What number's bigger?

- Write a function named greaterNum that:
  - takes 2 arguments, both numbers.
  - returns whichever number is the greater (higher) number.
- Call that function 2 times with different number pairs, and log the output to make sure it works (e.g. "The greater number is 5 ").

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <title></title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <link href="css/style.css" rel="stylesheet">
    </head>
    <body>
    <div class="text-center">
        <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstr
ap.min.css" rel="stylesheet">
        Enter First Number:
        <input id="Num1" class="form-control" type="text"
placeholder="Enter first Number">
        Enter Second Number:
        <input id="Num2" class="form-control" type="text"
placeholder="Enter second Number">
        <button class="btn btn-primary mt-3" onclick="big()" >Click
to Find Big Number</button>
        <p id="para1" class="display-3 text-danger mt-3 "></p>
    </div>
    <script>
        function big(){
            x=Number(document.getElementById("Num1").value);
            y=Number(document.getElementById("Num2").value);
            var answer;
            if( x>y){
                answer=x;
```

```
            }
            else{
                answer=y;
            }
            document.getElementById("para1").innerHTML= "The greater
number is " + answer;
        }
    </script>
    </body>
</html>
```

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Enter First Number:

10

Enter Second Number:

20

Click to Find Big Number

The greater number is 20

Nirushan J.H.C

Say NO to JUNK Food

What number's biggest?

- Write a JavaScript conditional statement to find the largest of five numbers.
  - Display an alert box to show the result.

```
<!DOCTYPE html>
<html lang="en">


<head>
    <title></title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
```

```html
    <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/b
ootstrap.min.css" rel="stylesheet">
</head>

<body>
    <div class="container">

        <div class="text-left d-block">
            Enter First Number:
            <input type="number" id="num1" class="form-control
" placeholder="Enter Number Here">
            Enter Second Number:
            <input type="number" id="num2" class="form-control"
placeholder="Enter Number Here">
            Enter Third Number:
            <input type="number" id="num3" class="form-control"
placeholder="Enter Number Here">
            Enter Fourth Number:
            <input type="number" id="num4" class="form-control"
placeholder="Enter Number Here">
            Enter Fivth Number:
            <input type="number" id="num5" class="form-control"
placeholder="Enter Number Here">
            <button class="btn btn-primary mt-3"
onclick="bigNumber()">Click here to find the <span
                class="font-weight-bold text-dark
">Biggest</span>
                Number</button>
        </div>
        <p id="para1" class="text-center bg-dark text-danger
display-1"></p>
    </div>
    <script>
        function bigNumber() {
            var a, b, c, d, x, y, z;
            x = Number(document.getElementById("num1").value);
            y = Number(document.getElementById("num2").value);
            z = Number(document.getElementById("num3").value);
            a = Number(document.getElementById("num4").value);
```
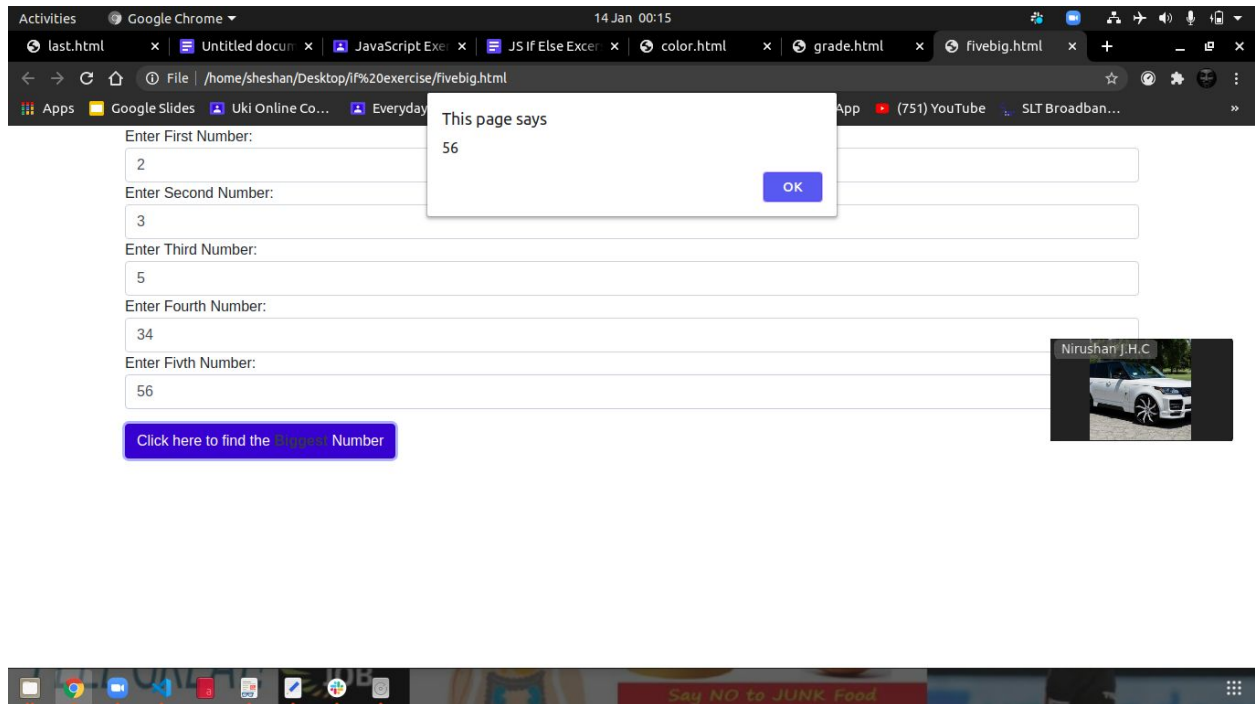
```
            b = Number(document.getElementById("num5").value);
            c = 0;
            if (x > y, x > z, x > a, x > b) {
                c = x;
            } else if (y > x, y > z, y > a, y > b) {
                c = y;
            } else if (z > x, z > y, z > a, z > b) {
                c = z;
            } else if (a > x, a > y, a > z, a > b) {
                c = a;
            } else {
                c = b;
            }
            alert(c);
        }
    </script>
</body>

</html>
```

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Enter First Number:

2

Enter Second Number:

3

Enter Third Number:

5

Enter Fourth Number:

34

Enter Fivth Number:

56

This page says

56

OK

Click here to find the Biggest Number

Nirushan J.H.C

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The Grade Assigner

- Write a function named assignGrade that:
  - takes 1 argument, a number score.
  - returns a grade for the score, either "A", "B", "C", or "F".
  - Marks >=75: A, Marks >=60: B, Marks >=45: C, Marks <45: F,
- Call that function for a few different scores and log the result to make sure it works.

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <title></title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1">
    <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstr
ap.min.css" rel="stylesheet">
</head>

<body>
    <div class="text-center">
        Enter Your Marks:
```
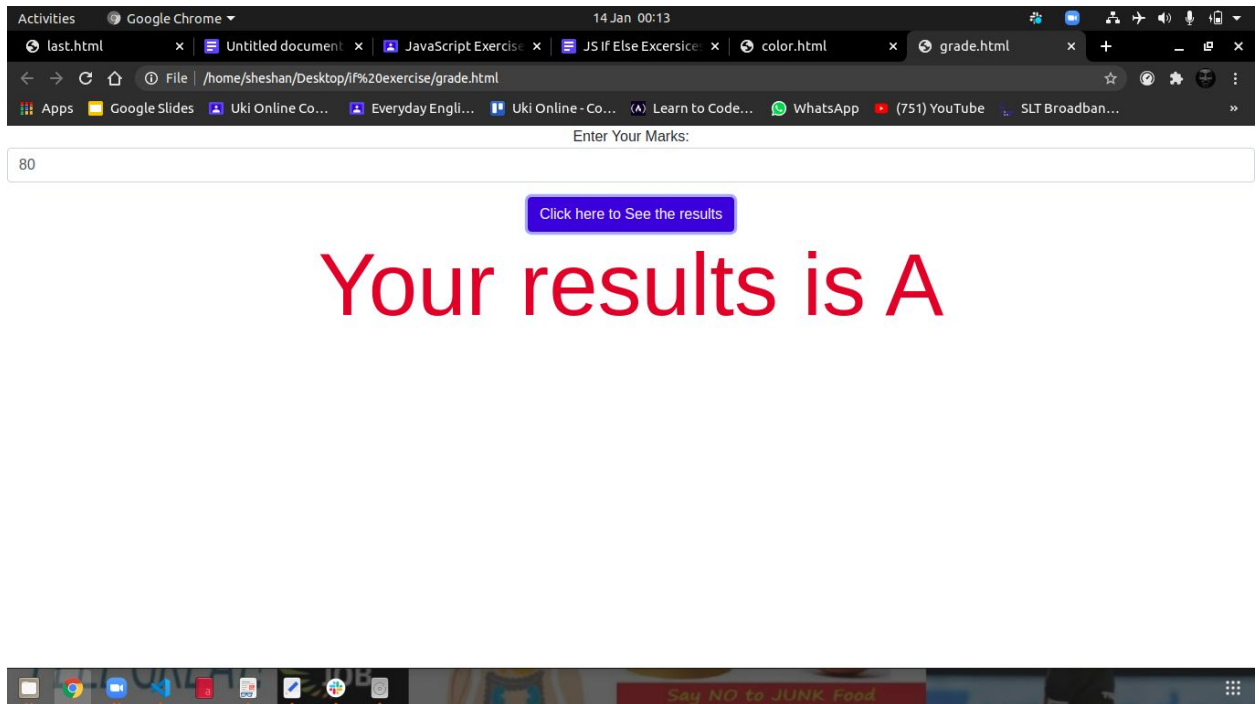
```html
        <input type="number" class="form-control" id="marks"
placeholder="ENTER YOUR MARKS" min="0" max="100" required>

        <button onclick="results()" class="btn btn-primary
mt-3">Click here to See the results</button>
    </div>
    <p id="para1" class="display-1 text-danger text-center"></p>
<script>
    function results(){
        res = Number(document.getElementById("marks").value);
        var score;
        if( res >= 75){
            score = "A";
        }
        else if( res >= 60){
            score = "B";
        }
        else if( res >=45){
            score = "C";
        }
        else{
            score = "F";
        }
        document.getElementById("para1").innerHTML= "Your results is
"+ score;
    }
</script>

</body>

</html>
```

Enter Your Marks:

80

Click here to See the results
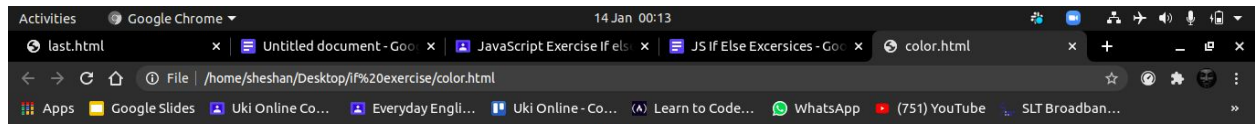
Your results is A

The Color Assigner

- Write If Else statement that performs the following:
  - takes 1 argument, a number score.
  - If the number is between 0 and 10, write the word blue. If the number is between 10 and 20, write the word red. if the number is between 20 and 30, write the word green. If it is any other number, write that it is not a correct colour option.

```html
<!DOCTYPE html>
<html lang="en">
    <head>
        <title></title>
        <meta charset="UTF-8">
        <meta name="viewport" content="width=device-width,
initial-scale=1">
        <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
.css" rel="stylesheet">
    </head>
    <body>
    <div class="text-center">
        Enter Number:
        <input type="number" id="Num1" class="form-control">
```

```html
        <button onclick="color()" class="btn btn-primary
mt-3">Click</button>
    </div>
    <p id="para1" class="text-center display-3 mt-3 text-danger"></p>
    <script>
        function color(){
            col = Number(document.getElementById("Num1").value);
            var out;
            if( 0 <= col, col <= 10){
                out = "Blue";
            }
            else if( 10 <= col, col < 20){
                out = "Red";
            }
            else if(20 <= col, col < 30 ){
                out = "Green";
            }
            else{
                out = "It is not a correct colour option";
            }
            document.getElementById("para1").innerHTML= "Your results is "+
out;
        }
    </script>
    </body>
</html>
```

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Enter Number:

10

Click

Your results is Blue

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Switch Exercises

Write the code to get the month and if we put in a number from 1-12, and the month name has to come out.
(Ex: If We input 3, in the console it has to show, March)

```html
<!DOCTYPE html>
<html lang="en">

<head>
    <title></title>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min
.css" rel="stylesheet">
</head>

<body>
    <div class="text-center">
        Enter Number:
        <input type="number" class="form-control" id="Num1">
```

```html
      <button onclick="month()" class="btn btn-primary mt-3">Click To See
month in console</button>
  </div>
  <script>
      function month() {
          var monthNo, x, name;
          x = Number(document.getElementById("Num1").value);

          if (x == 1) {
              name = "January";
          }else if (x == 2) {
              name = "Feb";
          }else if (x == 3) {
              name = "Mar";
          }else if (x == 4) {
              name = "Apr";
          }else if (x == 5) {
              name = "May";
          }else if (x == 6) {
              name = "Jun";
          }else if (x ==7) {
              name = "Jul";
          }else if (x == 8) {
              name = "Aug";
          }else if (x == 9) {
              name = "Sep";
          }else if (x == 10) {
              name = "Oct";
          }else if (x == 11) {
              name = "Nov";
          }else  if (x == 12){
              name = "Dec";

          }    else{
              name ="Wrong Input"
          }
          console.log(name);
      }
```

```
    </script>
</body>



</html>
```

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Enter Number:

12

Click To See month in console

Elements	Console	Sources	Network	»

top ▾   👁   Filter   Default levels ▾

🏳 Some messages have been moved to the Issues panel.   View issues

January	last.html:50
Feb	last.html:50
Mar	last.html:50
Apr	last.html:50
May	last.html:50
Jun	last.html:50
Jul	last.html:50
Aug	last.html:50
Sep	last.html:50
Oct	last.html:50
Nov	last.html:50
Dec	last.html:50

>

Console   Issues ×

☐ Include third-party cookie issues   ⚠ 1

▶ ⚠ 1   Indicate whether to send a cookie in a cross-site request by specifying its SameSite attribute

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