Nested if else in js

A nested **if-else** structure in JavaScript (and in programming languages in general) refers to using an **if-else** statement inside another **if** or **else** block. This allows you to create more complex decision-making logic by considering multiple conditions and their combinations. In a nested **if-else** structure, the inner **if-else** statement is evaluated only if the outer **if** or **else** condition is true.

The syntax of a nested if-else statement looks like this:

```
if (condition1)
{   // Code to execute if condition1 is true
     if (condition2)
     {      // Code to execute if both condition1 and condition2 are true
     }
     else
     {       // Code to execute if condition1 is true but condition2 is false
     }
}
else
{   // Code to execute if condition1 is false
      if (condition3)
      {// Code to execute if condition1 is false and condition3 is true
      }
      else
      { // Code to execute if condition1 is false and condition3 is false
      }
}
```

- The outer **if** statement checks the first condition. If it's true, it enters the block and evaluates the inner **if** or **else** conditions.
- The inner **if** statement can have its own conditions that are evaluated based on the outcome of the outer **if** condition.
- This pattern can be nested further if you need to handle even more complex scenarios.

Here's a simple example using nested if-else statements to determine whether a number is positive, negative, or zero:

```
let number = -5;
if (number > 0)
{   console.log("The number is positive.");
}
else
{   if (number < 0)
    {       console.log("The number is negative.");
    }
    else
    {      console.log("The number is zero.");
    }
}
```

In this example, the outer **if** checks if the **number** is positive. If it's true, the program prints "The number is positive." If it's false, the inner **if** checks if the **number** is negative. If it's true, the program prints "The number is negative." If both conditions are false, the program prints "The number is zero."

WAP to input three numbers and print maximum using nested if else. (Do not use any logical operator, and use proper nesting of if else
if -> if else
else -> if else

WAP to input percentage marks of student and print the result according to following conditions.
per>= 60 First division (Green color)
per<60 and >=48 Second division (Yellow color)
per<48 and per>=36 Third division (Orange color)
per<36 Fail (Red color)