```
// 1. W.A.P to find largest of 3 numbers.
// (inputs=> 1. a=100, b=180, c=600,
// 2. a=180, b=600, c=100,
// 3. a=600, b=100, c=180.)
// let a, b, c, res;

// Test case 1
a = 100;
b = 180;
c = 600;
res = a > b && a > c ? a : b > c ? b : c;
console.log("Test case 1:", res);

// Test case 2
a = 180;
b = 600;
c = 100;
res = a > b && a > c ? a : b > c ? b : c;
console.log("Test case 2:", res);

// Test case 3
a = 600;
b = 100;
c = 180;
res = a > b && a > c ? a : b > c ? b : c;
console.log("Test case 3:", res);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
Test case 1: 600
Test case 2: 600
Test case 3: 600
```

```
// Function to find the largest of three nu
mbers
function findLargestNumber(a, b, c) {
    if (a >= b && a >= c) {
        return a;
    } else if (b >= a && b >= c) {
        return b;
    } else {
        return c;
    }
}

// Test cases
const result1 = findLargestNumber(100, 180
, 600);
const result2 = findLargestNumber(180, 600
, 100);
const result3 = findLargestNumber(600, 100
, 180);

// Output the results
console.log(
"The largest number for test case 1 is:",
result1);
console.log(
"The largest number for test case 2 is:",
result2);
console.log(
"The largest number for test case 3 is:",
result3);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
The largest number for test case 1 is: 600
The largest number for test case 2 is: 600
The largest number for test case 3 is: 600
```

```
// 2. W.A.P to find smallest of 3 numbers.
// (inputs => 1. a=100, b=180, c=600,
//      2. a=180, b=600, c=100,
//      3. a=600, b=100, c=180.)

let a, b, c, res;

// Test case 1
a = 100;
b = 180;
c = 600;
res = a < b && a < c ? a : b < c ? b : c;
console.log("Test case 1:", res);

// Test case 2
a = 180;
b = 600;
c = 100;
res = a < b && a < c ? a : b < c ? b : c;
console.log("Test case 2:", res);

// Test case 3
a = 600;
b = 100;
c = 180;
res = a < b && a < c ? a : b < c ? b : c;
console.log("Test case 3:", res);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
Test case 1: 100
Test case 2: 100
Test case 3: 100
```

```
// Function to find the smallest of three n
umbers
function findSmallestNumber(a, b, c) {
  if (a <= b && a <= c) {
    return a;
  } else if (b <= a && b <= c) {
    return b;
  } else {
    return c;
  }
}

// Test cases
const result1 = findSmallestNumber(100, 180
, 600);
const result2 = findSmallestNumber(180, 600
, 100);
const result3 = findSmallestNumber(600, 100
, 180);

// Output the results
console.log(
"The smallest number for test case 1 is:",
result1);
console.log(
"The smallest number for test case 2 is:",
result2);
console.log(
"The smallest number for test case 3 is:",
result3);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
The smallest number for test case 1 is: 100
The smallest number for test case 2 is: 100
The smallest number for test case 3 is: 100
```

```javascript
// 3. W.A.P with using Assignment Operators
// Using Assignment Operators

// Initialize variables
let num1 = 10;
let num2 = 5;

// Addition assignment
num1 += num2;
// equivalent to num1 = num1 + num2
console.log("After addition assignment:",
num1);

// Subtraction assignment
num1 -= num2;
// equivalent to num1 = num1 - num2
console.log("After subtraction assignment:"
, num1);

// Multiplication assignment
num1 *= num2;
// equivalent to num1 = num1 * num2
console.log(
"After multiplication assignment:", num1);

// Division assignment
num1 /= num2;
// equivalent to num1 = num1 / num2
console.log("After division assignment:",
num1);

// Modulus assignment
num1 %= num2;
// equivalent to num1 = num1 % num2
console.log("After modulus assignment:",
num1);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
After addition assignment: 15
After subtraction assignment: 10
After multiplication assignment: 50
After division assignment: 10
After modulus assignment: 0
```

```javascript
// 4. W.A.P with using Comparision Operator

// Using Comparison Operators

// Initialize variables
let num1 = 10;
let num2 = 5;

// Equal to
console.log("Is num1 equal to num2?", num1
=== num2);

// Not equal to
console.log("Is num1 not equal to num2?",
num1 !== num2);

// Greater than
console.log("Is num1 greater than num2?",
num1 > num2);

// Less than
console.log("Is num1 less than num2?", num1
 < num2);

// Greater than or equal to
console.log(
"Is num1 greater than or equal to num2?",
num1 >= num2);

// Less than or equal to
console.log(
"Is num1 less than or equal to num2?", num1
 <= num2);
```

```
C:\Users\auul\OneDrive\Desktop\hola 9\Javascript>node assigment2
Is num1 equal to num2? false
Is num1 not equal to num2? true
Is num1 greater than num2? true
Is num1 less than num2? false
Is num1 greater than or equal to num2? true
Is num1 less than or equal to num2? false
```