Assignment-operators in js

1. Check if a number is Even or Odd

Question:
write a Javascript program that prompts the user to enter a number and alerts “Even” if the number is even, or "Odd" if the number is odd. Use the modulus operator % to check if the number is divisible by 2.

Input (via prompt):
Enter a number: 7

Expected Output (via alert):
"Odd"

Input (via prompt):
Enter a number: 10

Expected Output (via alert):
"Even"

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
</head>
<body>
   <script>
      var num=+prompt("Enter a number:");
      if(num%2==0){
         console.log("Even");
      }
      else{
         console.log("Odd")
      }
   </script>
</body>
</html>
```

2. Compare Two Numbers

Question:
Write a JavaScript program that prompts the user to enter two numbers and alerts:

"Greater if the first number is greater than the second,
"Equal" if both numbers are equal,
"Smaller if the first number is smaller than the second.

Input (via prompt):

Enter the first number: 10
Enter the second number: 5

Expected Output (via alert):
"Greater"

Input (via prompt):
Enter the first number: 7
Enter the second number: 7

Expected Output (via alert):
"Equal

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
</head>
<body>
   <script>
      var num1=+prompt("Enter The First Number:");
      var num2=+prompt("Enter The Second Number:");
      if(num1>num2){
         console.log("Greater");
      }
      else if(num1==num2){
         console.log("Equal");
      }
      else{
         console.log("Smaller");
      }

   </script>
```

```
</body>
</html>
```

3. Driving Eligibility Check

Question:

Write a JavaScript program that prompts the user to enter their age and whether they have a valid driver's licence (true or false). The program should alert "Can drive if the person is 18 or older and has a valid driver's Licence, otherwise it should alert Cannot drive".

Input (via prompt):
Enter your age: 20
Do you have a valid driver's License (true/false): true

Expected Output (via alert):
“Can drive”

Input (vta prompt):
Enter your age: 16
Do you have a valid driver's License (true/false): true

Expected Output (via alert):
“Cannot drive”

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
</head>
<body>
   <script>
      var age=+prompt("Enter Your Age:");
      if(age>=18){
         console.log("Can Drive");
      }
      else{
         console.log("Cannot Drive");
      }
   </script>
</body>
```

</html>

4. <u>Determine if a Nurber is Positive, Negative, of Zero</u>

Question:

Write a JavaScript program that prompts the user to enter a number and alerts "Positive" if the number Is greater than 0, "Negative" if the number is less than 0, or "Zero" if the number is 0.

Input (via prompt):
Enter a number: 5

Expected Output (via alert):
"Positive"

Input (via prompt):
Enter a number: -3

Expected Output (via alert):
"Negative"

Input (via prompt):
Enter a number: 0

Expected Output (via alert):
"Zero"

```
<!DOCTYPE html>
<html lang="en">
<head>
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <title>Document</title>
</head>
<body>
   <script>
      var number=+prompt("Enter a number:");
      if(number>0){
         console.log("Positive");
      }
      else if(number<0){
         console.log("Negative");
      }
```

```
        else{
            console.log("Zero");
        }
    </script>
</body>
</html>
```