

# DOCUMENT

1) write a JavaScript program that prompt the user to enter two 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 the number:7

Expected output (via alert):

"odd"

Input (via prompt);

Enter the number:10

Expected output (via alert):

"even"

**CODE:**

```
var checkEvenOrOdd () {  
  let number = parseInt (prompt ("Enter the number:"));  
  if (number % 2 === 0) {  
    alert("even");  
  } else {  
    alert("odd");  
  }  
}
```

Check Even or Odd ();

2) write a JavaScript program that prompt the user to enter two number and alerts:

"greater" if the first number is greater than the second,

"equal" if both numbers are equal,

"smaller" if the first number is greater 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"

**CODE:**

```
var compare Numbers () {  
  let first Number = parse Float (prompt ("Enter the first number:"));  
  let second Number = parse Float (prompt ("Enter the second number:"));  
  if (first Number > second Number) {  
    alert("greater");  
  } else if (first Number < second Number) {  
    alert("smaller");  
  } else {  
    alert("equal");  
  }  
}
```

```
}  
}
```

compare Numbers ();

**3) write a JavaScript program that prompt the user to enter their age and whether they have a valid driver license (true or false). The program should alert “can drive” if the person is 18 or older and has a valid driver license, otherwise it should alert “cannot drive”.**

**Input (via prompt);**

**Enter the first age:20**

**Do you have a valid driver license (true/false): true**

**Expected output (via alert):**

**“Can drive”**

**Enter the first age:16**

**Do you have a valid driver license (true/false): true**

**Expected output (via alert):**

**“Cannot drive”**

**CODE:**

```
var checkDrivingEligibility() {  
  let age = parseInt(prompt("Enter your age:"));  
  let hasLicense = prompt ("Do you have a valid driver license (true/false):"). toLowerCase() === 'true';  
  if (age >= 18 && hasLicense) {  
    alert ("Can drive");  
  } else {  
    alert ("Cannot drive");  
  }  
}
```

checkDrivingEligibility();

**3) write a JavaScript program that prompt 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 the number:5**

**Expected output (via alert):**

**“positive”**

**Input (via prompt);**

**Enter the number: -3**

**Expected output (via alert):**

**“negative”**

**Input (via prompt);**

**Enter the number:0**

**Expected output (via alert):**

**“zero”**

**CODE:**

```
Var checkNumber() {  
  let number = parseFloat(prompt("Enter the number:"));  
  if (number > 0) {  
    alert("positive");  
  } else if (number < 0) {  
    alert("negative");  
  } else {
```

```
alert("zero");  
}  
}  
checkNumber();
```