JavaScript Condition using if else

JavaScript Conditions includes **if else** statements and Switch case. Conditions are used to check **logical conditions** to control the flow of programme.

JavaScript If is the the primary **Condition** used to control flow of programme.

Forms of If statement

1. if
2. if...else
3. if...else if...else
4. if...if

IF Statement

JavaScript **if statement** is used to check whether the given condition is true or not. We can use comparison operators to check condition. The code block inside **if condition** or statement will work only if the condition is matched. For exp

If Statement Code

```
if(condition){
    statement
}
```

```
if(condition==true){
    statement
}
```

If Condition is very usefull to check whether a number is greater than or equal to another number or not. we will use < (less than) operator. See example below.

```
    var age=12;

    if(age<18){
       alert("sorry, you are not eligible")
    }
```

Check

If following condition doesn't match, code block inside if will not work. See example below

```
    var age=20;
    if(age<18){
       alert("sorry, you are not eligible")
    }
```

Check

Feature Detection using if condition

JS If Condition can also be used to check browser features and then use them. This can avoid runtime errors on non supported browsers.

In example below we are checking device battery level and remaining time using JS Battery API.

82%

2.421666666666667 hours remaining

```
if(navigator.getBattery){
    navigator.getBattery().then(function(x){ console.log(x.level* 100 + "%")});
```

```
        navigator.getBattery().then(function(x){ console.log(x.dischargingTime/3600+
" hours remaining")});
}
else{
        console.log("Battery Api Not Supported")
}
```

Else Statement

Else Statement is an extra block of code used with **if condition**. In any case if condition fails, code block inside else will run.

```
    if(condition){
            code to run if condition is true
    }
    else{
            code to run if condition is false
    }
```

Else statement can't be used without if statement. If if statement fails, then only else code works. See example below

```
    var age=20;

    if(age<18){
       alert("sorry, you are not eligible")
    }
    else{
       alert("Congrats, you are eligible")
    }
```

Else if Statement

else if statement can be used after if statement only. Else if works in parallel with if statement. If if condition fails, then only else if statement will be checked.

```
if(condition){
      code to run if condition is true
}
else if(condition){
      code to run if else-if condition is true
}
else{
      code to run if both conditions are false
}
```

Check Positive number using if and else

```
var x=20;

if(x==0){
   alert("zero is neither positive, nor negative")
}
else if( x>0){
   alert("Number is positive")
}
else{
   alert("Number is negative")
}
```

Check

Nested if-else

If statement can also be used inside another if or else statement. **Nested if** is used code will execute if first and nested both conditions are meet.

```
if( statement 1 ){
  if( statement 2){
    console.log("both 1 and 2 matched");
  }
  else{
    console.log("only 1 matched");
  }
}
else{
  console.log("not matched");
}
```

Check Number is even or odd

To check a number is even or odd in javascript, first we need to check if it is a number or not. We can check even or odd only if input is a number. See example below.

```
var x=3;

if( isNaN(x)){
  console.log("not a number");
}
else{
  if(x%2==0){
    console.log("even");
  }
  else{
```

```
        console.log("odd");
    }
}
```