

1. Will alert be shown?

```
if ("0") {  
  alert( 'Hello' );  
}
```

Mostrará Hello

2. The name of JavaScript.- Using the if..else construct, write the code which asks: 'What is the "official" name of JavaScript?'

If the visitor enters "ECMAScript", then output "Right!", otherwise – output: "You don't know? ECMAScript!"

```
let pregunta = prompt("What's the official name of JavaScript");  
if (pregunta == "ECMAScript") {  
  console.log("RIGHT");  
}else{  
  console.log("You dont know? ECMAScript!!");  
}
```

3. Show the sign. Using if..else, write the code which gets a number via prompt and then shows in alert:

- 1, if the value is greater than zero,
- -1, if less than zero,
- 0, if equals zero.

In this task we assume that the input is always a number.

```
let numero = prompt("Introduce un numero: ");  
if (numero > 0) {  
  alert(1);  
}else if(numero < 0 ){  
  alert(-1);  
}else{  
  alert(0);  
}
```

4. Rewrite 'if' into '?'

```
let result;  
if (a + b < 4) {  
  result = 'Below';  
} else {  
  result = 'Over';  
}
```

```
(a + b < 4) ? result = "Below" : result = "Over";
```

5. Rewrite 'if..else' into '?'. For readability, it's recommended to split the code into multiple lines.

```
let message;
if (login == 'Employee') {
  message = 'Hello';
} else if (login == 'Director') {
  message = 'Greetings';
} else if (login == '') {
  message = 'No login';
} else {
  message = '';
}
```

```
(login == "Employee") ? message = "Hello":
  (login == "Director") ? message = "Greetings":
  (login == "") ? message = "No login" : message = "";
```

6. Write the code using if..else which would correspond to the following switch:

```
switch (browser) {
  case 'Edge': alert( "You've got the Edge!" );
  break;
case 'Chrome': case 'Firefox': case 'Safari': case 'Opera':
  alert( 'Okay we support these browsers too' );
  break;
default:
  alert( 'We hope that this page looks ok!' ); }
```

```
if (browser == "Edge") {
  alert("You've got the Edge!");
} else if (browser == "Chrome" || browser == "Firefox" || browser ==
" Safari" || browser == "Opera") {
  alert("Okay we support these browsers too");
} else {
  alert("We hope that this page looks ok!");
}
```

7. Rewrite the code below using a single switch statement:

```
let a = +prompt('a?', "");
if (a == 0) {
  alert( 0 );
}
```

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```
if (a == 1) {  
    alert( 1 ); }  
if (a == 2 || a == 3) {  
    alert(t( '2,3' ));  
}
```

```
switch (a) {  
    case 0:  
        alert(0);  
        break;  
    case 1:  
        alert(1);  
        break;  
    case 2: case 3:  
        alert("2,3");  
        break;  
}
```