

1. What is the code below going to output?

```
alert( null || 2 || undefined ); // 2
alert( alert(1) || 2 || alert(3) ); // 2
alert( 1 && null && 2 ); // null
alert( alert(1) && alert(2) ); // 1, 2
alert( null || 2 && 3 || 4 ); // 3
```

2. Check the range between. Write an if condition to check that age is between 14 and 90 inclusively. “Inclusively” means that age can reach the edges 14 or 90.

```
let age = prompt("Introduce tu edad:");

if (age >= 14 && age <= 90) {
    alert("La edad esta en el rango");
}else{
    alert("La edad no esta en el rango");
}
```

3. Check the range outside. Write an if condition to check that age is NOT between 14 and 90 inclusively. Create two variants: the first one using NOT !, the second one – without it.

```
if (!(age >= 14) || !(age <= 90)) {
    alert("La edad esta en el rango");
}else{
    alert("La edad no esta en el rango");
}

if (age < 14 || age > 90) {
    alert("La edad esta en el rango");
}else{
    alert("La edad no esta en el rango");
}
```

4. Which of these alerts are going to execute?

```
if (-1 || 0) alert( 'first' );
if (-1 && 0) alert( 'second' );
if (null || -1 && 1) alert( 'third' );
```

Los alert que se ejecutarán serán el 1 y el 3

5. Check the login. Write the code which asks for a login with prompt. If the visitor enters "Admin", then prompt for a password, if the input is an empty line or Esc – show “Canceled”, if it’s another string – then show “I don’t know you”. The password is checked as follows:

1. If it equals “TheMaster”, then show “Welcome!”,
2. Another string – show “Wrong password”,
3. For an empty string or cancelled input, show “Canceled” The schema:

```
let identificarse = prompt("Quien eres?:");

if (identificarse == "Admin") {
  let password = prompt("Contraseña: ");
  if(password == "1234adcs"){
    alert("Hello");
  }else if(password != "1234adcs"){
    alert("Wrong password");
  }else{
    alert("Cancelar");
  }
} else if(identificarse == " " || identificarse == null) {
  alert("Canceled");
} else{
  alert("I dont know you");
}
```