```
41.<!DOCTYPE html>
<html lang="en">
    <head>
         <meta charset="UTF-8">
         <meta name ="viewport" content="width=device-width,initial-scale=1">
         <title> document</title>
    </head>
<body>
    <script>
let a = true;
let b = false;
let x = 0;
let y= 20;
console.log("a="+a);
console.log("b="+b);
console.log("x="+x);
console.log("y="+y);
console.log(a && b);
console.log(x \&\& y);
console.log(a || b);
console.log(x || y);
console.log(!a);
console.log(!b);
console.log(a && (x || y));
console.log(!(a && b));
console.log(!(a || b));
</script>
</body>
</html>
□ Elements Console Sources Network Performance >>
Default levels ▼ No Issues
  a=true
                                        task7.html:16
                                        task7.html:17
  x=0
                                        task7.html:18
  y=20
                                        task7.html:19
                                        task7.html:21
                                        task7.html:22
                                         task7.html:25
                                        task7.html:26
                                        task7.html:29
                                        task7.html:30
                                        task7.html:31
                                        task7.html:32
                                        task7.html:33
```

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42.
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name ="viewport" content="width=device-width,initial-scale=1">
        <title> document</title>
    </head>
<body>
    <script>
let num = +parseInt(prompt("enter a number"));
let low = 10;
let high = 30;
console.log("num="+num);
console.log("low="+low);
console.log("high="+high);
if (num >= low && num <= high) {</pre>
  console.log("The number is within the range.");
} else {
  console.log("The number is out of the range.");
}
</script>
</body>
</html>
                                                                  (3)
           Elements
K [0
                     Console
                              Sources
                                       Network
                                                 Performance
 \square
          top ▼ O
                       ▼ Filter
                                                Default levels ▼
                                                               No Issues
   num=35
                                                            task7.html:14
                                                            task7.html:15
   low=10
   high=30
                                                            task7.html:16
   The number is out of the range.
                                                            task7.html:20
43.
<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name ="viewport" content="width=device-width,initial-scale=1">
        <title> document</title>
    </head>
<body>
    <script>
let isActive= true;
let isValid = false;
```

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console.log("isActive="+isActive);
console.log("isValid="+isValid);
console.log(!isActive);
console.log(!isValid);
</script>
</body>
</html>
к Го
                          Sources
                                  Network
                                          Performance >>
                                                          €3
         Elements
                  Console
Default levels ▼ No Issues 😵
   isActive=true
                                                     task7.html:14
   isValid=false
                                                     task7.html:15
                                                     task7.html:17
                                                     task7.html:18
44.<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name ="viewport" content="width=device-width,initial-scale=1">
        <title> document</title>
    </head>
<body>
    <script>
let a = 0;
let b = 5;
let c = 10;
console.log(a && b);
console.log(b && c);
console.log(b || a);
console.log(a || c);
</script>
</body>
</html>
                            Network
                                                Elements Console
                                    Performance >>
Default levels ▼ No Issues 🕃
                                            task7.html:15
                                            task7.html:16
                                            task7.html:18
                                            task7.html:19
```

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45.
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<!DOCTYPE html>
<html lang="en">
    <head>
        <meta charset="UTF-8">
        <meta name ="viewport" content="width=device-width,initial-scale=1">
        <title> document</title>
    </head>
<body>
    <script>
let a = "Hello world";
let b = 10;
let c = null;
let d = undefined;
console.log(a && b);
console.log(a && c);
console.log(b || c);
console.log(c || d);
</script>
</body>
</html>
K [0
                                               Performance >>
                                                               (₽)
          Elements
                    Console
                             Sources
                                      Network
top ▼ | ③ | ▼ Filter
                                                             No Issues 🔯
                                              Default levels ▼
                                                          task7.html:16
                                                          task7.html:17
                                                          task7.html:18
                                                          task7.html:19
```