Aleskoury
10.5

L1

```
alert(typeof f);
З.
o undefined
function
o null
o object
o there is an error in the code
2) What will be the result of this example?
function f() {
  let a = 5;
  return new Function('b', 'return a + b');
}
alert( f()(1) );
 o undefined
 o NaN
 o there will be an error
 3) What will be the output of the following code?
 let y = 1;
 let x = y = 2;
 alert(x);
 0 1
 o NaN
 o undefined
 o the error will occur
```

1) What will be the output of the following code?

if (function f(){}) {

```
4) What the alert will output?
alert(str); // ?
var str = "Hello";
o Hello

√ undefined

   there will be an error
 5) Attentively look at the code syntax. What will be the output?
 let f = function(x) {
   alert(x)
 }
 (function() {
   f(1)
 }())
 o no result
 ø output 1

    output undefined

 o there will be an error
 6) Under what condition elem.scrollHeight == elem.clientHeight?
 o element content completely scrolled down
 o page is scrolled so that element is fully visible and is in the border of the window
    the element height is equal to scroll bar height
     element context is completely visible, has no scroll
 o the element has no padding
 7) How can we get full height of block DOM-element, if it has border and padding?
  o parseInt(elem.style.width)
    parseInt(getComputedStyle(elem).width)
  o elem.offsetWidth
  o elem.clientWidth
```

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8) Here is the button id="elem"></button>, how can we show the string
"<hello>"?
The result has to be like this:
<!--+ run -->
<button id="elem">&lt;hello&gt;</button>
o elem.innerHtml = "<hello>"
o elem.innerText = "<hello>"
o elem.textContent = "<hello>"
o elem.setText("<hello>").
 9) Link <a href="..." id="link"> has event listener:
 link.addEventListener('click', function(event) {
 What the code event listener should consist to prevent redirection on click?
 });
 If several of the listed above are suitable, select several
 o event.stopPropogation()
    _event.stopImmediatePropogation()
    event.preventDefault()
  o return false
    event.cancel()
  10) How can we get Dom-element form in the document?
  <!DOCTYPE HTML>
  <html>
  <body>
    <form name="myform">...</form>
  </body>
  </html>
  o document.forms.myform
  o _document.getElementById("myform")

    document.body.children[0]

√document.body.firstChild

√o document.forms[0]
```

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11) Calling setInterval(func, 100) calls func...
 o _exactly every 100ms.
approximately every 100ms.
 o usually every 100ms, but possibly calls will happen much less often
 12) This code will not output anything?
 document.onclick = function(event) {
   alert(event.type);
 };
 document.body.dispatchEvent(new CustomEvent('click'));
 o you are not allowed to generate built-in events in JavaScript
 o listener through on-property does not work for event generated from JavaScript
    built-in event has to be generated otherwise, constructor CustomEvent should be replaced
o when generating event it is not specified that it should bubble
OMG, what is it?
13) Here is the link:
<a href="http://site.com">Link text</a>
document has listener:
document.onclick = function(e) { e.preventDefault(); };
Will the pass on link happen?
o yes
o∕ no
o depends on position of stars at the click moment
```

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14) How many children will <div> have after the code below?
<div id="div">text</div>
 <script>
  div.insertAdjecentHTML('afterBegin', 'Hello');
  div.insertAdjecentHTML('beforeEnd', 'Hello');
 </script>
   the error will occur
 15) In which cases for element elem is true elem.firstChild == elem.lastChild?
 o when elem has no children
 \mathscr{A} when elem is the only one descendant
 o when elem has one two or more descendants
 16) Which events from the list will occur when you press and release the 'space' button?
 Another buttons are not clickable.
    keypress
    no one will occur
 17) What is the right way to output greeting in 5 seconds?
 o sleep(5); alert("Hello!");
 o sleep(5000); alert("Hello!");
 setTimeout(function() {alert("Hello!");}, 5000);
o setTimeout(function() {alert("Hello!");}, 5);
```

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18) How can we get the indent size margin-top of <div>?
  div.style.marginTop
  div.style["margin-top"]
o getComputedStyle(div, "margin").top
   getComputedStyle(div).marginTop

    getComputedStyle(div).margin.top

19) Can the script connect another outer js-files to the page while it is working?
o yes, but only once
gyes, but only before the page is completely loaded
o yes, as many files are needed and whenever it needed
20) There is an element <div id="elem"><input/></div>. It has two handlers:
elem.addEventListener("click", handler1, false):
elem.addEventListener("click", handler2, true);
Which of them will work earlier while clicking <input>?
  the first
0
   the second
o the standard does not specify the exact sequence
21) How many children (DOM-elements) has  element in the example below:
<u1>
  Hello
  World
5
```

```
22) What would the following lines of code output to the console?
function parent() {
  var hoisted = "I'm a variable";
  function hoisted() {
    return "I'm a function";
                                       I'm a function
  return hoisted();
console.log(parent());
 23) What will the code print?
 function foo() {
   function bar() {
     return 3;
   }
   return bar();
   function bar() {
      return 8;
    }
                               8
  console.log(foo());
```

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24) What will the following code output to the console:
 var a = 1;
 function b() {
   a = 10;
   return;
   function a() {}
 }
 b();
 console.log(a);
                     10
 25) What will the code print?
 alert(foo());
 function foo() {
   var bar = function() {
     return 3;
   };
  return bar();
  var bar = function() {
     return 8;
  };
}
26) Consider the code snippet below. What will the console output be?
var myVar = 'foo';
(function() {
                                                      Original value was: foo
New value is: bas
  console.log('Original value was: ' + myVar);
  var myVar = 'bar';
  console.log('New value is: ' + myVar);
})();
```

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27) What will the code below output to the console?
var myObject = {
 foo: "bar",
 func: function() {
   var self = this;
   console.log("outer func: this.foo = " + this.foo); box
    console.log("outer func: self.foo = " + self.foo); bas
    (function() {
      console.log("outer func: this.foo = " + this.foo); wedefined
      console.log("outer func: self.foo = " + self.foo); base
    }());
  }
};
myobject.func();
28) What will the code below output?
console.log(0.1 + 0.2);
console.log(0.1 + 0.2 == 0.3); false
29) In what order will the numbers 1-4 be logged to the console when the code below is
executed?
(function() {
  console.log(1);
  setTimeout(function(){console.log(2)}, 1000);
  setTimeout(function(){console.log(3)}, 0);
  console.log(4);
})();
30) Assuming d is an "empty" object in scope, say:
var d = {};
...what is d array?
['zebra', 'horse'].forEach(function(k) {
   d={ { 'zebra': undefined, 'horre': undefined}
  d[k] = undefined;
});
```

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31) What will the code below output to the console?
var arr1 = "john".split(''); (')', 'p', 'h', 'n')
arr2.push(arr3);
console.log("array 1: length = " + arr1.length + " last = " + arr1.slice(-
1));
console.log("array 2: length = " + arr2.length + " last = " + arr1.slice(-
1));
 array1: length = 4 last = 3
 array 2: length = 5 (ast = 3)
32) What will the code below output of the following code:
 for (var i = 0; i < 5; i++) {
   setTimeout(function() {console.log(i); },i * 1000);
 }
 33) What would the following lines of code output to the console?
 console.log("0 || 1 = "+(0 || 1)); twu
 console.log("1 || 2 = "+(1 || 2)); true
 console.log("0 && 1 = "+(0 && 1)); False
 console.log("1 && 2 = "+(1 && 2)); two
 34) What will be the output out of the following code?
  var a=\{\},
    b={key: 'b'},
    c={key: 'c'};
  a[b]=123;
  a[c]=456;
                       123
  console.log(a[b]);
```

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35) What will be the output out of the following code?
console.log((function f(n){return (n > 1) ? n * f(n-1) : n})(10));
                                                                        w
                                                                       3628800
36) Consider the code snippet below. What will the console output be?
(function(x) {
  return (function(y) {
    console.log(x);
  })(2);
                              1
})(1);
37) What will the following code output to the console:
var hero = {
  _name: 'John Doe',
   getSecretIdentity: function (){
     return this._name;
   }
 };
 var stoleSecretIdentity = hero.getSecretIdentity;
                                                       Reference exect
 console.log(getSecretIdentity());
 console.log(hero.getSecretIdentity()); John Doe
 38) What will be the output of this code?
 var x = 21;
 var girl = function () {
   console.log(x);
   var x = 20;
 };
                undefined
 girl();
```

```
39) What will the code print?
```

```
for (let i=0; i<5; i++) {
  setTimeout(function() { console.log(i); }, i* 1000);
}</pre>
```

40) What do the following lines output?

41) Imagine you have this code:

$$var a = [1, 2, 3];$$

- a) Will this result in a crash? a[10] = 99; Yes
- b) What will this output?

 console.log(a[6]); Exol
- 42) What would following code return? console.log(typeof typeof 1); Integer

```
43) What values resulting array will consist of?
[1,2,3,4,5,6].filter((v) => !(!\v % 2));
                                           (1,3,5)
44) What outcobe of the following code?
let arr = [];
while (arr.length < 5) {
    if (arr.length % 2) {
         arr.push(arr.length * 2);
    } else {
         arr.shift(arr.length);
    }
}
45) What will be outputted to console by the following code?
const input = [6,3,2,5,1];
console.log(parseInt(input.reduce(function (mem, val, ind) {return mem[val] =
ind;}, []))); — > \
46) What values resulting array will consist of?
Array.prototype.map.call('Ericsson Project', (v, i) => i).filter((i, v) => v
 % 2);
 47) What will be outputted to console by the following code?
 var arr = [];
 while (arr.length < 10) {
     if (arr.length % 2) {
         arr.push(arr.length);
     } else {
         arr.unshift(arr.length);
     }
 }
 console.log(arr);
```

```
48) What will be outputted to console by the following code?
const res = [3,4,7,2,1].reduce(function (mem, val, ind) {return (mem[val] =
ind, mem);}, []);
console.log(parseInt(res));
49) What values resulting array will consist of?
Array.prototype.map.call('Ericsson Project', (v, i) => i).filter((i, v, a) =>
(a.length - v) % 2);
50) What result output of the following code?
'Javascript'.split('a').map(function (v) {
    if (v.length \langle = 1 \rangle {
         return v + 'a';
              Tavascript
}).join('');
51) What values resulting array will consist of?
[18, 3, 15, 4, 3, -3, 1, 0, -5, 8, 13].sort(function (a1, a2) {
    return Math.abs(a1) < Math.abs(a2) ? 1 :(a1 === a2 ? 0 : -1);
});
       0133-34-58 13 15 18
52) What will be outputted to console by the following code?
const arr = [13, 8, 2, 11, 5, 1, 9, 6, 1, 1],
    init = Array([5]),
    result = arr.reduce(function (mem, val, ind) {
        mem[val] = ind;
        return mem;
    }, init);
console.log(parseInt(result));
```