Javascript - mcqs 105 minutes

Question - 1

Custom Error

SCORE: 5 points

Error Handling Javascript Easy Type Checking Variable Scopes

What is the output of this JavaScript code snippet?

```
class CustomError extends Error {
 constructor(message) {
   super (message);
    this.name = "CustomError";
function validateData(data) {
 if (!data || typeof data !== "object") {
    throw new CustomError("Invalid data provided");
 if (!data.hasOwnProperty("id") || typeof data.id !== "number") {
    throw new CustomError ("Data object is missing an id property");
 return true;
const data1 = { id: 42 };
const data2 = "Invalid data";
try {
 validateData(data1);
 console.log("Data1 is valid");
 validateData(data2);
 console.log("Data2 is valid");
} catch (error) {
  if (error instanceof CustomError) {
   console.log(`CustomError: ${error.message}`);
    console.log(`Error: ${error.message}`);
}
```

Data1 is valid

CustomError: Invalid data provided

Data1 is valid

CustomError: Data object is missing an id property

Data1 is valid

Error: Invalid data provided

No output

Question - 2
SetTimeout
SetTimeout

Functions Javascript events Easy Loops Javascript Timers Arrays

What is the output of this JavaScript code snippet?

```
const numbers = [1, 2, 3, 4, 5];

for (var i = 0; i < numbers.length; i++) {
   setTimeout(() => {
      console.log(`Number: ${numbers[i]}`);
   }, i * 1000);
}
```

Number: 1

Number: 2

Number: 3

Number: 4

Number: 5

Number: undefined

Number: undefined Number: undefined Number: undefined Number: undefined

Number: 5

Number: 5

Number: 5

Number: 5

Number: 5

No output will be displayed.

Question - 3

Closures

Javascript Javascript Events Closures Easy Closure

What is the output of the following code?

const series = (...funcs) => (arg) => {
 return funcs.reduce((prev, curr) => curr(prev), arg);
};

```
const result = series(num => num * 10, num => num + 20, num => num / 2, num => num - 5)(4);
        20
        25
        30
        0
Question - 4
                                                                                                   SCORE: 5 points
JavaScript: Objects
 JavaScript Easy Error Handling
Three of the following snippets will create a new JavaScript object with the name "Alex" and age 25. Which one uses incorrect syntax?
           let person = new Object({name: "Alex", age:25});
           let person = {name: "Alex", age: 25};
           let person = {}
           person.name = "Alex";
           person.age = 25;
    let person;
           person['name'] = "Alex";
           person['age'] = 25;
```

Question - 5
JavaScript: Typecasting Functions I

JavaScript Easy Hoisting

Match the JavaScript typecasting functions with their respective output.

Function	Output
1. <i>String([])</i>	A. 0

2.String({})	BInfinity
3. Number(null)	C. "[object Object]"
4. Number("-Infinity")	D. ""

1. A

2. B

3. D

4. C

1. D

2. C

3. A

4. B

1. A

2. D

3. B

4. C

None of the above

Question - 6 SCORE: 5 points JavaScript: Typecasting Functions II

JavaScript Easy

Match the JavaScript typecasting functions with their respective output.

Function Call	Output	
1.Boolean(Infinity)	a. 20	
2.Number([20, 30])	b. true	
3. Boolean("")	c. NaN	
4. Number(["20"])	d. false	

1-b

2-c

3-d

4-a

1-d

2-a

3-b

4-с

1-d

2-b

3-a

4-c

	None of the above
Questi Declare v	ON - 7 variables with const keyword in JavaScript
Easy	Javascript Aptitude
One way i	to declare a variable in JavaScript is to use the keyword <i>const.</i> Which of the following are true about <i>const</i> ? Choose one or more.
	A variable declared with const is always globally scoped.
	A variable declared with const is always block-scoped.
	A variable declared with const can be re-declared.
	A variable declared with const can be assigned to later.
Questi	ON - 8 SCORE: 5 points variables with let keyword in JavaScript
	Javascript Aptitude
One way l	to declare a variable in JavaScript is to use the keyword <i>let</i> . Which of the following are true about <i>let</i> ? Choose one or more.
	A variable declared with let is always globally scoped.
•	A variable declared with let is always block-scoped.
	A variable declared with let can be re-declared.
	A variable declared with let can be assigned to later.
Questi JSON da	on - 9 SCORE: 5 points ta format
Easy	Javascript Aptitude
JSON use	es a few strict rules to encode its content. Which of the following are true about those rules? Choose one or more.
	JSON uses double quotation marks to delimit strings.
	JSON uses single quotation marks to delimit strings.
•	Trailing commas are forbidden.
	Trailing commas are allowed and recommended because of cleaner diffs when working with version control systems.
Questi localStor	on - 10 SCORE: 5 points rage object

The localStorage object is used to store the data locally. Which of the following are true about localStorage objects? Select one or more.

- The data in localStorage is stored without an expiration date.
- localStorage allows for several data types, including numbers and strings.
- All data values stored in localStorage are stored as strings.
- localStorage is used to store limited data sizes. It is usually restricted to just a few megabytes.

Question - 11 Browser Display

JavaScript

Document Object Model

Functions

Easy

Using JavaScript, check whether the browser is online. Display "I am online" if it is. Otherwise, display "I am offline". If the browser is online, display the current latitude and longitude of your location.

The with id="status" is used to display the status: "I am offline" or "I am online".

The with id="location" is used to display the latitude and longitude in the format below:

Latitude: 12.9321589

Longitude: 77.61325529999999

function checkStatus() {

if(navigator.onLine){
 document.getElementById("status").innerHTML = "I am online";
 if (navigator.geolocation) {
 navigator.geolocation.getCurrentPosition(printLocation);
 }

} else

document.getElementById("status").innerHTML = "I am offline";
}

function printLocation(position) {
 document.getElementById("location").innerHTML = "Latitude: " + position.coords.latitude +
 "
Longitude: " + position.coords.longitude;
}

function checkStatus() {

```
document.getElementById("status").innerHTML = "I am online";
   if (navigator.geoLocation) {
navigator.geolocation.getCurrentPosition(printLocation);
 }
  else
   document.getElementById("status").innerHTML = "I am offline";
function printLocation(position) {
     document.getElementById("location").innerHTML = "Latitude: " + position.coords.latitude +
     "<br/>Longitude: " + position.coords.longitude;
          function checkStatus() {
            if(navigator.online){
              document.getElementById("status").innerHTML = "I am online";
              if (navigator.geolocation) {
          navigator.geolocation.getCurrentPosition(printLocation);
                }
            }
            else
              document.getElementById("status").innerHTML = "I am offline";
          function printLocation(position) {
                document.getElementById("location").innerHTML = "Latitude: " + position.coords.latitude +
                "<br/>Longitude: " + position.coords.longitude;
          function checkStatus() {
            if(navigator.onLine){
              document.getElementById("status").innerhtml = "I am online";
              if (navigator.geolocation) {
          navigator.geolocation.getCurrentPosition(printLocation);
            }
            else
              document.getElementById("status").innerhtml = "I am offline";
          function printLocation(position) {
                document.getElementById("location").innerhtml = "Latitude: " + position.coords.latitude +
                "<br/>Longitude: " + position.coords.longitude;
             }
```

Question - 12
Code Prediction

JavaScript Easy Loops Variable Scopes

Predict the output of the following code:

```
function Education() {
   this.education = "B.Tech";
}

function main() {
   Person = new Education();
   Person.name = "Michael";
   Person.surname = "Hicks";
   var Person.
   Person.residence = "Bangalore";
   Person.age = 23;
   Object.freeze(Person);
   console.log(delete Person.name);

for (const item in Person) {
    console.log(item);
   }
}
```

- False education name surname residence age
- false education name surname residence age
- True education surname residence age
- true education surname residence age
- false education surname residence age
- true education name surname residence age
- Compile time error

Question - 13 Array Element Passing

SCORE: 5 points

JavaScript Exception Handling Arrays Closure Loops Easy

Examine the code snippet below. You have to identify the correct snippet for the main and pass each element of the array *list=[0,4,1,3]* such that for every number less than 2, the error message, "num should be greater than 2", is displayed.

Otherwise, the value returned from the function twice is displayed. What could be the possible solution(s)?

```
function Myfunc() {
  this.twice = function(num) {
    if (num < 2) {
       throw "num should be greater than 2"
    }
    return num * 2;
}</pre>
```

```
const myfunc = new Myfunc();
const list = new Array(0, 4, 1, 3);
for (let i = 0; i < 4; i++) {
 try {
  const res = myfunc.twice(list[i]);
  console.log(res);
 } catch (e) {
  console.log(e);
const myfunc = new Myfunc();
const list = {0, 4, 1, 3};
for (let i = 0; i < 4; i++) {
 try {
  const res = myfunc.twice(list[i]);
  console.log(res);
 } catch (e) {
  console.log(e);
const myfunc = new Myfunc();
const list = [0, 4, 1, 3];
for (let i = 0; i < 4; i++) {
 try {
  const res = myfunc.twice(list[i]);
  console.log(res);
 } catch (e) {
  console.log(e);
const myfunc = new Myfunc();
const list = [0, 4, 1, 3];
try {
 for (let i = 0; i < 4; i++) {
  const res = myfunc.twice(list[i]);
  console.log(res);
} catch (e) {
 console.log(e);
```

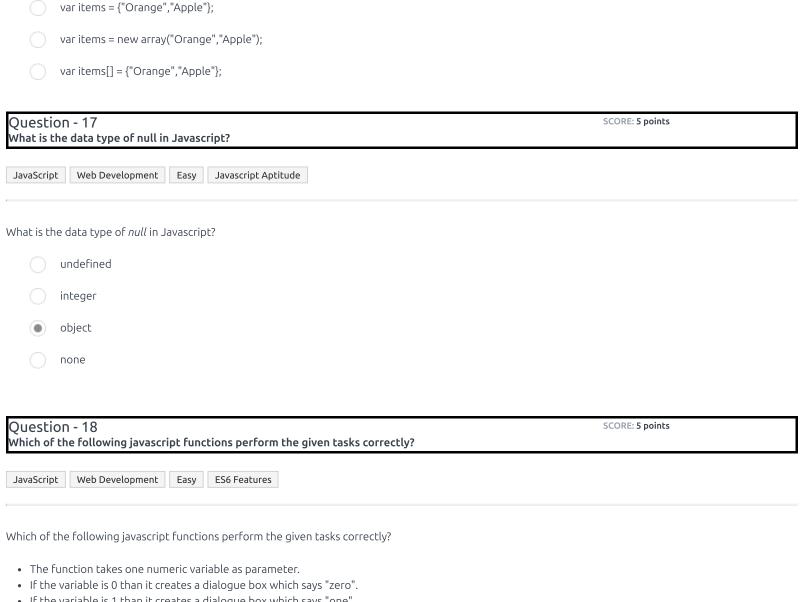
Question - 14 First Five Alerts

Closures JavaScript Easy Closure

Select the option that has the correct sequence of first five alert messages, when the following javascript code snippet is run:

```
function func(x) {
  var z = 8;
  return function(y) {
```

```
alert(x + y + z);
 }
 var n1 = new Number(32);
 var a1 = func(n1);
 var n2 = new Number(16);
 var a2 = func(n2);
 var n3 = new Number(8);
 var a3 = func(n3);
 var n4 = new Number(4);
 var a4 = func(n4);
 var n5 = new Number(2);
 var a5 = func(n5);
 a1(2);
 a2(4);
 a3(8);
 a4(16);
 a5(32);
          34, 36, 40, 48, 64
          2, 4, 8, 16, 32
          24, 24, 28, 28, 42
          42, 28, 24, 28, 42
Question - 15
                                                                                                                 SCORE: 5 points
Which of the following is not true of Javascript?
            Web Development
                                      Javascript Aptitude
 JavaScript
Which of the following is not true of Javascript?
          Javascript is case sensitive
          Semicolons at the end of Javascript statements are required
          Javascript statements can be grouped together in blocks
          Javascript is loosely typed
Question - 16
                                                                                                                 SCORE: 5 points
What is the correct way to create a javascript array?
 JavaScript
             Web Development
                                Easy
                                       Javascript Aptitude Arrays
What is the correct way to create a javascript array?
         var items = ["Orange","Apple"];
```



- If the variable is 1 than it creates a dialogue box which says "one".
- Otherwise it creates a dialogue box which says "Invalid input".

```
const myFunction = value => {
  switch (value) {
    case 0:
      str = "0";
      break;
    case 1:
      str = "1";
      break;
    default:
      str = "Invalid input";
      break;
  return alert(str);
const myFunction = value => {
  switch (value) {
    case 0:
      str = "zero";
    case 1:
      str = "one";
    default:
```

```
str = "Invalid input";
 }
 alert(str);
         const myFunction = value => {
            switch (value) {
              case "0":
                str = "zero";
                break;
              case "1":
                str = "one";
                break;
              default:
                str = "Invalid input";
                break;
            }
            alert(str);
          const myFunction = value => {
            switch (value) {
              case 0:
                str = "zero";
                break;
              case 1:
                str = "one";
                break;
              default:
                str = "Invalid input";
                break;
            }
            alert(str);
          }
Question - 19
                                                                                                                     SCORE: 5 points
JS Data Types
 JavaScript
            Web Development
                                 Easy
                                        Javascript Aptitude
Which of the following is not a primitive Datatype in Javascript?
          Аггау
          Number
          String
          Boolean
Question - 20
                                                                                                                     SCORE: 5 points
Loops in JavaScript
JavaScript Web Development Easy
                                        Loops
```

for while do while do while do if for each Question - 21 Score 5 points Which of the following is not a core datatype? Syton Easy Which of the following is not a core datatype? Lists Dictionary Tuples Class Question - 22 Score 5 points Score 5 points Score 5 points Score 6 points Score 7 points Score 7 points Score 7 points Score 8 points Score 8 points Score 9 po	hich of the following is not a looping structure in JavaScript?		
do -while do -if for each Question - 21 Which of the following is not a core datatype? Python	o for		
oustion - 21 For each Cuestion - 21 Score: 5 points	while		
Ouestion - 21 Which of the following is not a core datatype? Python	do - while		
Question - 21 which of the following is not a core datatype? Python	do - if		
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which of the following is not a core datatype? Lists Dictionary Tuples Class Class Question - 22 What is the output? JavaScript Web Development Easy Type Checking what is the value of y after the following code? et x; ty = x === null; false true undefined null Question - 23 low can you add a comment in a JavaScript?	Question - 21 Which of the following is not a core datatype?	SCORE: 5 points	
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Dictionary Tuples Class Class Question - 22 What is the output? JavaScript Web Development Easy Type Checking What is the value of y after the following code? et x; ety = x === null; false true undefined null Question - 23 How can you add a comment in a JavaScript?	hich of the following is not a core datatype?		
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Class Question - 22 What is the output? JavaScript Web Development Easy Type Checking What is the value of y after the following code? Set x; Set y = x === null; In false In true Undefined null Question - 23 How can you add a comment in a JavaScript?	Dictionary		
Question - 22 What is the output? JavaScript Web Development Easy Type Checking What is the value of y after the following code? et x; et y = x === null; in false true undefined null Question - 23 tow can you add a comment in a JavaScript?	Tuples		
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What is the output? JavaScript Web Development Easy Type Checking What is the value of y after the following code? Let x; Let y = x === null; Let undefined Let undefin			
What is the value of y after the following code? Let x; Let y = x === null; In false Let undefined			
et x; et y = x === null; false true undefined null Question - 23 How can you add a comment in a JavaScript?	Question - 22 What is the output?	SCORE: 5 points	
et y = x === null; false true undefined null Question - 23 How can you add a comment in a JavaScript?	Vhat is the output?	SCORE: 5 points	
true undefined null Question - 23 How can you add a comment in a JavaScript?	Web Development Easy Type Checking	SCORE: 5 points	
undefined null Question - 23 How can you add a comment in a JavaScript?	Use the output? Web Development Easy Type Checking What is the value of y after the following code? Set x;	SCORE: 5 points	
Question - 23 How can you add a comment in a JavaScript?	Use Development Easy Type Checking What is the value of y after the following code? At x; At y = x === null;	SCORE: 5 points	
Question - 23 How can you add a comment in a JavaScript?	Use Development Easy Type Checking What is the value of y after the following code? At x; At y = x === null; False	SCORE: 5 points	
How can you add a comment in a JavaScript?	Web Development Easy Type Checking That is the value of y after the following code? Et x; Et y = x === null; false true	SCORE: 5 points	
How can you add a comment in a JavaScript?	Use Development Easy Type Checking What is the value of y after the following code? Let x; Let y = x === null; false true undefined	SCORE: 5 points	
	Use Development Easy Type Checking What is the value of y after the following code? Let x; Let y = x === null; false true undefined	SCORE: 5 points	
	Vhat is the output? JavaScript Web Development Easy Type Checking Vhat is the value of y after the following code? Let x; Let y = x === null; In false In true Undefined In null Question - 23		

low can you a	add a comment in a JavaScript?	
//Th	his is a comment	
REM	M This is a comment>	
'Thi	is is a comment	
#Th	his is a comment	
Question - JavaScript As	- 24 ssignment	SCORE: 5 points
Language Profi	ficiency JavaScript Problem Solving Easy Javascript Aptitude	
Consider the fo	following JavaScript code snippet:	
function return	foo () { urn 5	
Vhat will the c	code let myVar = foo; do?	
Assi	sign the integer value 5 to the variable <i>myVar</i>	
Assi	sign a reference to the foo function to the variable myVar	
O Thro	row an exception	
Not	thing	