1. Strings

How do you declare a string in JavaScript? Provide an example.

let name=”layan” ;

What will be the output of the following code?

let firstName = "John";

let lastName = "Doe";

console.log(firstName + " " + lastName);

John Doe

How can you find the length of a string in JavaScript?

console.log(string.length)

2. Booleans

What are the two possible boolean values in JavaScript?

True or false

Predict the output of the following:

let x = 10 > 5;

console.log(x);

true

How do you check if a variable is true in an if-statement?

if (variable) {

}

3. Objects

How do you create an object in JavaScript?

let object={

};

Given the following object:

let person = {

name: "Ali",

age: 25,

country: "Jordan",

};

How would you access the age property?

person.age;

What will be the output of the following code?

let user = {

name: "Sara",

age: 22,

job: "Engineer",

};

console.log(user["job"]);

Engineer

4. Array Objects

How do you declare an array in JavaScript?

let array = ["one", "two", "three"];

What will be the output of this code?

let fruits = ["apple", "banana", "cherry"];

console.log(fruits[1]);

banana

How can you add an item to the end of an array?

fruits.push("grape");

5. Date Objects

How do you create a new Date object in JavaScript?

let day = new Date().getDay();

How do you get the current day of the week from a Date object?

with switch

6. Functions

What will be the output of the following function call?

function multiply(x, y) {

return x \* y;

}

console.log(multiply(4, 5));

20

How do you define a function that converts Fahrenheit to Celsius?

function fahrenheitToCelsius(fahrenheit) {

return (fahrenheit - 32) \* 5 / 9;

}

// Example usage:

console.log(fahrenheitToCelsius(100));

7. Objects with Methods

How do you define a method inside a JavaScript object?

let object = {

info: function () {

}

};What will be the output of the following code?

let car = {

brand: "Toyota",

model: "Corolla",

getDetails: function () {

return this.brand + " " + this.model;

},

};

console.log(car.getDetails());

Toyota Corolla

How can you add a new method to an existing object?

object.function()

8. Looping through Objects

How can you loop through an object’s properties?

for (let key in person) {

console.log(key + ": " + person[key]);

}

What will be printed by the following loop?

let person = {

name: "Hussam",

age: 30,

city: "Amman",

};

for (let key in person) {

console.log(key + ": " + person[key]);

}

name: Hussam

age: 30

city: Amman

9. Conditional Statements

What is the difference between if and else if?

we start with if and if there is not true will go to check the condithion inside else if

Identify the issue in the following code:

let age = 25;

if (age > 30) {

console.log("Older than 30");

} else if ((age = 30)) {

console.log("Exactly 30");

} else {

console.log("Younger than 30");

}

let age = 25;

if (age > 30) {

console.log("Older than 30");

} else if ((age === 30)) {

console.log("Exactly 30");

} else {

console.log("Younger than 30");

}

Correct the mistake in the above code.

10. Switch Statements

What will be the output of this switch statement if today is Monday?

let day;

switch (new Date().getDay()) {

case 0:

day = "Sunday";

break;

case 1:

day = "Monday";

break;

default:

day = "Invalid day";

}

console.log(day);

Monday

How does the break statement work in a switch case?

to stop checking the other cases

What happens if you forget to include a break statement in a switch case?

it will be checking all cases