1. Strings

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

Let s = “JavaScript”;

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?

Variable.length();

2. Booleans

What are the two possible boolean values in JavaScript?

True,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 === true){

console.log(“true”);

}

3. Objects

How do you create an object in JavaScript?

Let car ={

Type:”BMW”,

Color:white

}

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 array1=[1,2,3];

What will be the output of this code?

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

console.log(fruits[1]);

apple

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

Array1.add(“item”)

5. Date Objects

How do you create a new Date object in JavaScript?

Let date = new Date(“3/10/2025”);

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

Date.day();

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 convert(f){

 C = (f - 32) × 5/9;

Return c;

}

7. Objects with Methods

How do you define a method inside a JavaScript object?

Car {

Type:”BMW”,

Color:function (){return “white”;}

};

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?

Car.methodName=function(){return true;}

8. Looping through Objects

How can you loop through an object’s properties?

For(let x in car ){

Console.log(car.x);

}

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?

First condition,other conditions

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");

}

age === 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); null

How does the break statement work in a switch case?

Out of switch

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

Take last case or default