

Q 1. Swap two variables without using third variable?

Ans. let a = 5;

let b = 10;

[a, b] = [b, a];

console.log("a:", a); // Output: 10

console.log("b:", b); // Output: 5

Q 2. What will be the output?

let a = 5;

a++;

console.log(a);

Ans. 6

Q 3. Write a code that takes a number (1-7) and returns the corresponding day of the week.

Ans. `<script>`

```
    let dayNum = 3;
let daysOfWeek = [
    "Sunday",
    "Monday",
    "Tuesday",
    "Wednesday",
    "Thursday",
    "Friday",
    "Saturday"
];

let dayOfWeek = daysOfWeek[dayNum - 1];

console.log(dayOfWeek);

</script>
```

Q 4. Write a code that returns "Adult" if age is 18 or more, and "Minor" otherwise, using the ternary operator.

Ans. `<script>`

```
    const age = 17; // Change this value to test different ages

const status = age >= 18 ? "Adult" : "Minor";

console.log(status); // This will print "Adult" or "Minor" based on the age

</script>
```

Q 5. Show Array in Descending Order

`[34, 7, 23, 32, 5, 62];`

Ans. `<script>`

```
    let num = [34, 7, 23, 32, 5, 62];

num.sort((a, b) => b - a);

console.log(num);

</script>
```

Q 6. Sort array in Reverse Alphabetical Order

`["banana", "apple", "mango", "cherry"];`

Ans. `let alpha = ["banana", "apple", "mango", "cherry"];`

```
    alpha.sort();
    alpha.reverse();
    console.log(alpha);
```

Q 7. Remove last two element from an array and add one element at index 2 i.e., “grapes” and add one element at 0 index i.e., “papaya”

`["banana", "apple", "mango", "cherry"];`

Ans. `let fruits = ["banana", "apple", "mango", "cherry"];`

```
fruits.splice(2,2);
fruits.splice(2, 0, "grapes");
fruits.unshift(0,0, "papaya");
console.log(fruits);
```

Q 8. Find Highest number from an array
[34, 7, 23, 32, 5, 62];

Ans. `<script>`

```
    let numbers = [34, 7, 23, 32, 5, 62];  
  
let highestNumber = Math.max(...numbers);  
  
console.log(highestNumber);  
  
</script>
```

Q 9. Replace mango with pineapple
["banana", "apple", "mango", "cherry"];

Ans. `let` fruits = ["banana", "apple", "mango", "cherry"];
 fruits[2] = 'pineapple';
 console.log(fruits);

Q 10. Make Navbar, Sidebar and footer