Utsav Jha

WEEK 2 ASSIGNMENT

JAVASCRIPT ASSIGNMENT

Instructions:

Use JavaScript to complete the tasks below.

Ensure proper logic and functionality.

1: Declare a variable age and assign it a value of 25. Then,

declare another variable is Adult that is true if age is 18 or

more, otherwise false.

2: Given x = 10 and y = 5, perform the following operations

and store the results:

• Addition

• Multiplication

• Modulus

3: Write a program that checks if a number n is even or odd and

stores the result in a variable.

4: Write a for loop to store numbers from 1 to 5 in an array.

5: Write a function square that takes a number as input and

returns its square.

All CODES ALONG WITH THE OUTPUT

// 1st Question javascrpt

console.log("1st question answer")

let age = 25;

let isAdult = age >= 18; // true if age is 18 or more, otherwise false

console.log("Answer 1 is:- ", isAdult); // Output: true

// 2nd Question javascript

console.log("----------------")

console.log("2nd question answer")

let x = 10;

let y = 5;

let addition = x + y; // Addition

let multiplication = x \* y; // Multiplication

let modulus = x % y; // Modulus

console.log("Answer 2 is add:- ",addition); // Output: 15

console.log("Answer 2 is mulltiply:- ",multiplication); // Output: 50

console.log("Answer 2 is modulus:- ",modulus); // Output: 0

//3rd question answer

console.log("---------------")

console.log("3rd question answer")

let n = 7; // Example number

let evenOrOdd = (n % 2 === 0) ? "Even" : "Odd";

console.log("Answer 3 is :-",evenOrOdd); // Output: Odd

//4th Question javvascript

console.log("---------------")

console.log("4th question answer")

let numbers = [];

for (let i = 1; i <= 5; i++) {

numbers.push(i);

}

console.log("Answer 4 is ;- ", numbers); // Output: [1, 2, 3, 4, 5]

//5th Question answer

console.log("---------------")

function square(number) {

return number \* number;

}

// Example usage:

console.log("Answer 5 is :- ", square(4)); // Output: 16

// Prompt the user to enter a number

let userInput = prompt("Enter a number:");

// Convert the input to a number (if needed)

userInput = Number(userInput);

console.log(userInput); // Output: 3 (if the user enters 3)

let evenorodd = (userInput % 2 ===0) ? "Even" : "Odd"

console.log(evenorodd)

OUTPUTS:-

1st question answer

Answer 1 is:- true

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2nd question answer

Answer 2 is add:- 15

Answer 2 is mulltiply:- 50

Answer 2 is modulus:- 0

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3rd question answer

Answer 3 is :- Odd

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4th question answer

Answer 4 is ;- [ 1, 2, 3, 4, 5 ]

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Answer 5 is :- 16

Enter a number:15

15

Odd

