Question Bank

Unit 1 : Basics of JavaScript Programming

1. Explain any two/ four features of JavaScript?  
2. Write a JavaScript to display Welcome message in JavaScript.  
3. Explain the term – Object Name, Property, Method, Dot syntax, main event.  
4. Explain six type of values in JavaScript.  
5. What is conditional operator in JavaScript?  
6. List the different types of operator in JavaScript. Describe any one in details.  
7. List the different types of popup box. Explain any of it with example.  
8. Write a JavaScript to display squares of 1 to 10 numbers using while loop.  
9. Write a JavaScript program that accept two integers and display the larger.  
10. Write a JavaScript conditional statement to sort three numbers. Display an alert box to show the result.  
11. Write a JavaScript for loop that will iterate from 0 to 15. For each iteration, it will check if the current number is odd or even, and display a message to the screen.  
12. Write a JavaScript conditional statement to find the largest of five numbers.  
13. Write a JavaScript program to check from two given integers, if one is positive and one is negative.  
14. Write a JavaScript program check if a given positive number is a multiple of 3 or a multiple of 7.  
15. Write a JavaScript program to reverse a given string.

16. Write a JavaScript program to check number is Armstrong or not.  
17. Write a JavaScript to display squares of 1 to 10 numbers using for loop.  
18. Write a JavaScript program to find the area of a triangle where lengths of the three of its sides are 5, 6, 7.  
19. Write a JavaScript program to construct the following pattern, using a nested for loop.  
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\* \*  
\* \* \*  
\* \* \* \*  
\* \* \* \* \*

Unit 2 : Array, Function and String

1. Define array.  
2. How to declare array in JavaScript.  
3. Write a JavaScript for sorting the array elements.  
4. Explain the use of join () function with examples.  
5. Explain the use of push and pop functions.  
6. Write a short note on – associative array in JavaScript.  
7. Write syntax for defining the function.  
8. Explain the method of calling a function from HTML.  
9. What is string? Enlist some commonly used methods for manipulating String.  
10. Write a JavaScript to convert string to number.  
11. Differentiate between concat() and join() methods of array object.  
12. Write a JavaScript function to count the number of vowels in a given string.  
13. Write a JavaScript that find and displays number of duplicate values in an array.  
14. Write a function that prompts the user for a color and uses what they select to set the background color of the new webpage opened  
15. Explain the scope of variable with the help of programming example  
16. How to retrieve a position of desired word from the string

MSBTE Sample Paper Questions

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| --- | --- | --- | --- |
| 1. State the use of dot syntax in JavaScript with the help of suitable example. | | | |
| 1. List and explain Logical operators in JavaScript. | | |
| 1. Write a JavaScript that initializes an array called “Fruits” with names of five fruits. | | | |
| The script then displays the array in a message box. | | | |
| 1. Write syntax of and explain prompt method in JavaScript with the help of suitable | | | |
| example. | | | |
| 1. Write a JavaScript program which compute, the average marks of the following | | | |
| Students Then, this average are used to determine the corresponding grade. | | | |
| Student Name | Marks |
| Advait | 80 |
| Anay | 77 |
| Manyata | 88 |
| Saanvi | 95 |
| Saachi | 68 |

The grades are computed as follows :

|  |  |
| --- | --- |
| Range | Grade |
| <60 | F |
| <70 | D |
| <80 | C |
| <90 | B |
| <100 | A |
| 1. Differentiate between concat() and join() methods of array object. | | | |
| 1. Write a JavaScript function to count the number of vowels in a given string. | | | | |
| 1. Write a JavaScript that find and displays number of duplicate values in an array. | | | | |
| 1. Develop JavaScript to convert the given character to Unicode and vice versa. | | | | |
| 1. Describe all the tokens of the following statements : | | |
| i. document.bgColor | | |
| ii. document.write() | | |
| 1. Differentiate between prompt() and alert() methods. | | |
| 1. State use of getters and setters | | |
| 1. State and explain any two properties of array object | | |
| 1. Write a JavaScript that displays first 20 even numbers on the document window. | | | | |
| 1. Write a program to print sum of even numbers between 1 to 100 using for loop. | | | | |
| 1. Write a JavaScript function to insert a string within a string at a particular position | | | | |
| 1. State the use of following methods. | | |

i. charCodeAt()  
ii. fromCharCode()

MSBTE Winter Paper Questions

1. List any four features of Java script.
2. List the comparison operators in Java script.
3. Write Java script to create person object with properties firstname, lastname,  
   age, eye color, delete eye color property and display remaining properties of  
   person object.
4. Write a Java script that initializes an array called flowers with the names of 3  
   flowers. The script then displays array elements.
5. Write Java script to call function from HTML.
6. Explain getter and setter properties in Java script with suitable example.
7. Explain prompt () and confirm () method of Java script with syntax and example.
8. Write the use of CharAt() and indexof() with syntax and example.
9. Differentiate between concat () and join () methods of array object.
10. Write a Java script that will replace following specified value with another value in a string.  
    String = “ I will fail”  
    Replace “fail” by “pass”
11. Write a Java script code to display 5 elements of array in sorted order.