

Question Bank -Unit 1

Q1. 2marks

- a) List any four features of Java script.
- b) List the comparison operators in Java script.
- c) 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.
- d) Write a javascript program to check whether entered number is prime or not.
- e) State the ways to display the output in JavaScript.
- f) List the logical operators in JavaScript with description.
- g) Write JavaScript to create a object “student” with properties roll number, name, branch, year. Delete branch property and display remaining properties of student object.
- h) State meaning of each token of the following statement and describe it : (i) ++a; (ii) document. bgcolor;
- i) Write and explain syntax of prompt() method in JavaScript.
- j) List various assignment operators supported by JavaScript, explain any two with the help of suitable example.
- k) With the help of suitable example explain the Date object and any two methods of Date object.
- l) List & explain datatypes in JavaScript
- m) Write a simple calculator program using switch case in JavaScript.
- n) List and describe any four methods of Math object
- o) Write a JavaScript program that will print even numbers from 1 to 20

Q2. 4marks

- a) Explain getter and setter properties in Java script with suitable example.
- b) Explain prompt () and confirm () method of Java script with syntax and example.
- c) Differentiate between For-loop and For-in loop
- d) Explain Object creation in JavaScript using 'new' keyword with adding properties and methods with example.
- e) Write a JavaScript for loop that will iterate from 1 to 15. For each iteration, it will check if the current number is odd or even and display a message to the screen.

Sample Output : "1 is odd" "2 is even"

- f) Write a JavaScript that accepts a number and displays addition of digits of that number in a message box.
- g) Give syntax of and explain for-in loop in JavaScript with the help of suitable example.
- h) Write an HTML script that accepts Amount, Rate of Interest and Period from user. When user submits the information a JavaScript function must calculate and display simple interest in a message box. (Use formula $S.I. = \frac{P \times R \times T}{100}$)
- i)) Write a JavaScript program that will display current date in DD/MM/YYYY format
- j) State the use of Object, Method and Property in JavaScript
- k) Write a JavaScript program to check whether a number is positive, negative or zero using switch case

Q3. 6marks

- i) Write a javascript function to generate Fibonacci series till user defined limit.