



# ADITYA UNIVERSITY

(Formerly Aditya Engineering College (A))  
**ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING**  
**Full Stack Development – 1 Lab Internal Exam**

**Semester: IV**

**Course Code: 201CS4S01**

## SET-1

- Write a HTML program, to explain the working of lists. **Note:** It should have an ordered list, unordered list, nested lists and ordered list in an unordered list and definition lists.
- Write a JavaScript program to print 1 to 10 numbers using for, while and do-while loops.

## SET-2

- Write a HTML program, to explain the working of tables. (use tags: <table>, <tr>, <th>, <td> and attributes: border, row span, col span)
- Develop a JavaScript program to determine whether a given number is an 'ARMSTRONG NUMBER' or not. [Eg: 153 is an Armstrong number, since sum of the cube of the digits is equal to the number i.e.,  $1^3 + 5^3 + 3^3 = 153$ ]

## SET-3

- Write a HTML program, to explain the working of frames, such that page is to be divided into 3 parts on either direction. (Note: first frame image, second frame paragraph, third frame hyperlink. And also make sure of using "no frame" attribute such that frames to be fixed).
- Write a JavaScript program to display the denomination of the amount deposited in the bank in terms of 100's, 50's, 20's, 10's, 5's, 2's & 1's. (Eg: If deposited amount is Rs.163, the output should be 1-100's, 1-50's, 1- 10's, 1-2's & 1-1's)

## SET-4

- Write a HTML program, to embed audio and video into HTML web page.
- Write a JavaScript program to embed internal and external JavaScript in a web page.

### **SET-5**

- a. Write a HTML program, to explain the working of forms by designing Registration form. (**Note:** Include text field, password field, number field, date of birth field, checkboxes, radio buttons, list boxes using and two buttons i.e.: submit and reset. Use tables to provide a better view).
- b. Write a JavaScript program to display the Factorial of that number

### **SET-6**

- a. Write a CSS program to apply different types (or levels of styles or style specification formats) - inline, internal, external styles to HTML elements. (Identify selector, property and value).
- b. Write a JavaScript program using math object methods.

### **SET-7**

- a. Write a program using the following terms related to CSS font and text: i. font-size ii. Font-weight iii. Font-style iv. Text-decoration v. text-transformation vi. Text-alignment.
- b. Write a JavaScript program using Date object methods.

### **SET-8**

- a. Write a program, to explain the importance of CSS Box model using i. Content ii. Border iii. Margin iv. Padding
- b. Write a JavaScript program to display the Prime numbers up to that number

### **SET-9**

- a. Create a webpage which uses prompt dialogue box to ask a voter for his name and age. Display the information in table format along with either the voter can vote or not.
- b. Write a JavaScript program to display the Fibonacci series up to that number.

### **SET-10**

- a. Write a HTML program, to explain the working of hyperlinks using tag and href, target attributes.
- b. Write a JavaScript program which asks the user to enter three integers, obtains the numbers from the user and outputs HTML text that displays the larger number followed by the words “LARGER NUMBER” in an information message dialog. If the numbers are equal, output HTML text as “EQUAL NUMBERS”.