**Dharmsinh Desai University**
**MCA Semester – 3 (2024-25)**
**23MCA3001 – Advanced Web Development**

## Practical -1

**Instructions for Ubuntu Linux VM Setup:**

1. Download VM file 'Ubuntu-AWD.ova' from FTP Software directory into your-rollno-directory in D:.
2. Create a new virtual machine from 'Ubuntu-AWD.ova' in Oracle Virtualbox. Keep default settings.
3. Login credentials: User: Admin      Password: mcalab#23
4. Install jQuery in Ubuntu Linux VM.

**Tasks:**

Note: Must set the 'id' attribute while creating HTML element/object in all following programs.

1. Create an HTML document to fulfill following requirements:
   a. Set document title: My First HTML document
   b. Display a message: Dharmsinh
   c. Display a message on new line: Desai
   d. Display a message on new line: University
2. Perform above mentioned task# 1 using JavaScript.
3. Create an HTML document with following requirements using JavaScript:
   a. Display title of the document.
   b. Display URL of the document.
4. Create an HTML document to fulfill following requirements:
   a. Create a button 'Show title' with id 'btnShowTitle', on-click JavaScript function showTitle() should be invoked.
   b. Create a JavaScript function showTitle() to show document title as an alert.
5. Create an HTML document to fulfill following requirements:
   a. Collect two numbers using HTML text box controls say text1 and text2.
   b. Create a button 'Sum' with id 'btnSum', on-click JavaScript function showSum() should be invoked.
   c. Create a JavaScript function showSum() to show sum of the numbers available in text1 and text2 –
      i. as an alert.
      ii. In a third text box.
      iii. In <h3>.
6. Create an HTML document to fulfill following requirements:
   a. Create a simple HTML document for collecting user input such as: name (text), age (text) and gender (radio button). Three radio buttons for three genders each: male, female and other.
   b. When 'male' radio button is clicked: change document background to green
   c. When 'female' radio button is clicked: change document background to blue
   d. When 'other' radio button is clicked: change document background to yellow

  e. Create a button 'checkAge', on-click it should show one of the appropriate alert: 'kid', 'not adult', 'adult' or 'Sr. citizen'.

7. Create an HTML document with following requirements:
  a. Create a text box to have text input from user.
  b. A check box: UpperCase
  c. When UpperCase box is checked: convert the textbox's content to upper case.

**Case study:**
1. Implement a basic calculator in HTML using DOM.

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