

1. a) Create a HTML document that conforms to **HTML5** standards and has the following elements:

- Include dummy text & audio. The audio will automatically start playing as soon as the page loads without stopping.
- Include all types of hyperlinks [external link with target, internal link, email link, phone link, and clickable image]

Heading – level1



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut
External link – link to <http://www.karunya.edu/cse/inde.php>
Internal link – [nextpage.html](#)
Email link: [send your feedback](#)
Phone link: [9999999999](#)

Clickable image:



b) Design a fruit farm using **JQuery**. When you click the “Plant Garden” button, the page should generate a rectangular grid of fruit images. The dimensions of grid are given by the values entered in the text boxes.

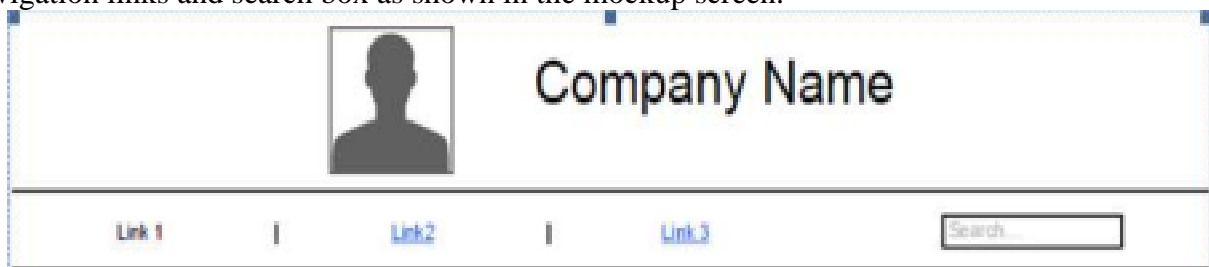
2. a) Create a HTML document that conforms to **HTML5** standards and has the following elements:
- Embed the video using video tag. Play the video when the user clicks on the play button.
 - Include definition list, ordered nested List and unordered nested list.
- b) Design a currency converter application using AngularJS.

3. a) Create a HTML document that conforms to **HTML5** standards and has the following elements: Display the table in the given format.

Row 1 - Col 1	Row 1 - Col 2	Row 1 - Col 3	Row 1, 2, 3 & 4 - Col 4
Row 2 - Col 1	Row 2, 3 & 4 - Col 2 & 3		
Row 3 - Col 1			
Row 4 - Col 1			
Row 5 - Col 1 & 2		Row 5 - Col 3 & 4	
Row 6 - Col 1, 2, 3 & 4			

b) Design a program to flip the coin using **Javascript**.

4. a) Create a HTML document that conforms to **HTML5** standards and has the following elements: Header should be at the top of the page. It contains the company name & company logo. Below the title include the navigation links and search box as shown in the mockup screen.



b) Design a birthday cake order form using HTML5 and process the bill using **Javascript**.

5

A.Create a webpage using proper **HTML5 and CSS3**.

- Add website title and align the text at center of the page. Set the font size: 42px, background color.
- Design a vertical navigation menu bar with rollover effect.
- Add a footer to display contact information.
- Don't use table for alignment.

Heading

Menu1

Menu2

Menu3

Menu4

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Contact info:

B.Design a moving car using **Javascript**.

6

A.Display a digital clock using **JQuery**

B.Design a fruit farm bed using **Javascript**. When you click the “Plant Garden” button, the page should generate a rectangular grid of fruit images. The dimensions of grid are given by the values entered in the text boxes.

7

A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect. • Design a rounded corner image with hover effect and set a fixed background image for the whole webpage.

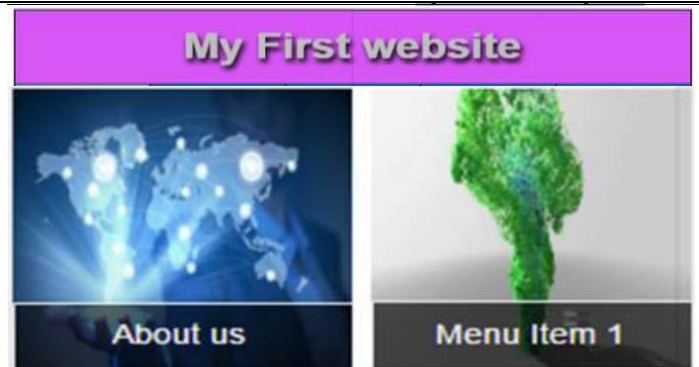
B.Write a Javascript that asks the user to enter two integers and displays the larger number followed by the words “is larger” in an information message dialog. If the numbers are equal, display the message “These numbers are equal.”



8

A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 44px, background color and add text shadow effect. • Add two thumbnails below the banner with equal amount of space on the screen.

B.Design a BMI calculator using Javascript.



9

A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 48px, background color and add text shadow effect. • Add two sections below the title and each section should have a section title region that is always positioned at the top. Set the background color of each section title region to some unique color. Also set the color of the text. Set a red border on both the section and section title region that is 2px thick.

BWrite a Javascript that reads an integer and display whether it is odd or even.



10

A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect. • Design a table and set different colors for odd and even rows of the table. Change the background color on mouse over.

B. Write JavaScript code to change background colour for every 30 seconds.



11

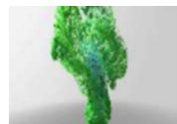
A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 42px, background color and add text shadow effect. • Use appropriate position properties to place the image and the text.

B.Create event handlers that will increase the font size when a mouse moves over a paragraph and decrease the size when the mouse moves off the paragraph using Javascript.

Heading



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12

A. Design the following Birthday Cake Order Form and calculate the total cost of the order using Javascript. A 1/2kg cake is Rs.100, a 1kg cake is Rs.200 and a 2kg cake is Rs.400. Tax is an additional 9% to the order. The user must also pay a tip from 10-20% of the total cost of the order after tax. Store the final bill details in a next page using NodeJS.

# of 1/2kg Cakes	4
# of 1kg Cakes	1
# of 2kg Cakes	2
Tip: <input type="radio"/> 10% <input checked="" type="radio"/> 15% <input type="radio"/> 20%	
<input type="button" value="Calculate Order"/>	

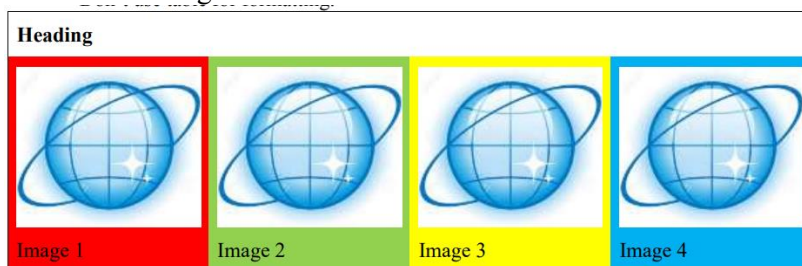
Cost of order: Rs. 1610

B.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect. • Design a rounded corner image with hover effect and set a fixed background image for the whole webpage.



13

A.Create a webpage using proper HTML5 and CSS3. • Add website title and align the text at center of the page. Set the font size: 48px, background color. • Add image gallery with set of images and its description using CSS properties. Don't use table for formatting.



B.Write JavaScript code to move absolutely-positioned car image when a user clicks the move button and stop the car image when a user clicks the stop button on the following webpage.

14

A.Create a simple calculator using Angularjs.

BWrite a **script** that inputs three integers from the user and displays the sum, average, and product of the numbers in an alert dialog.

15

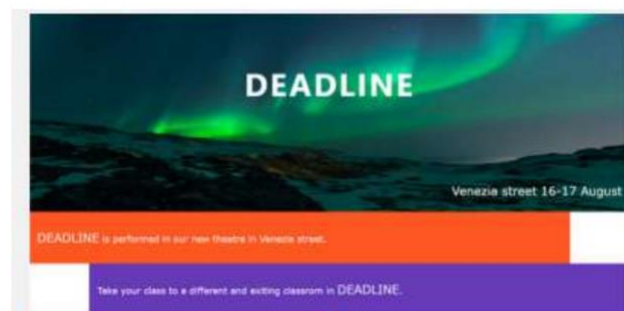
A.Create a webpage using proper HTML5 and CSS3.

- Add a banner image. Display the text over the banner image in the center.
- Display two divisions below the banner and position them as per the mock-up and use suitable colors.

B.Develop a BMI calculator using Javascript. Write the calculate() function that takes the weight and height in the text boxes and displays the BMI in the span with the id of "score." BMI is calculated from the equation: $\text{weight} / (\text{height} * \text{height})$.

You should also describe the person's body type based on their BMI score using the following criteria:

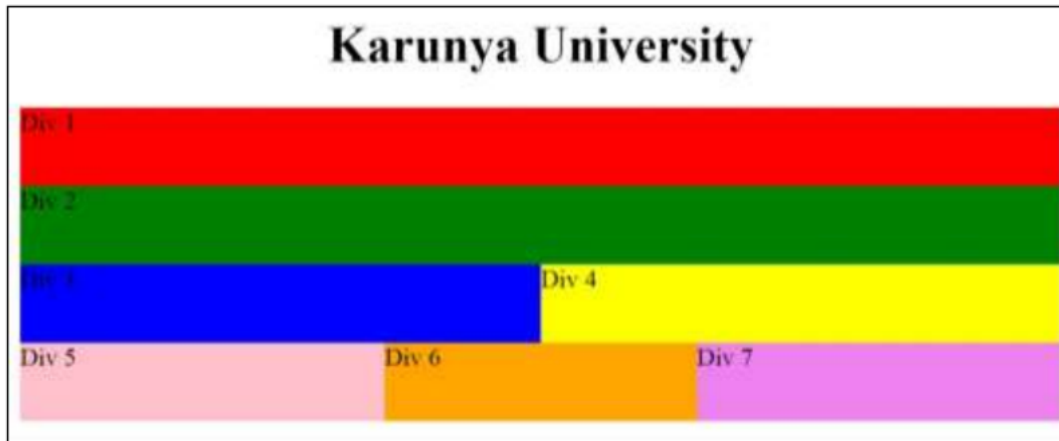
- Underweight: < 18 , • Normal: $18 - 25$, • Overweight: $25 - 30$, • Obese: > 30



16

a) Create a webpage using proper HTML5 and CSS3.

- Add website title and align the text at center of the page. Set the font size: 42px, background color.
- Use CSS and position as per the mock-up
- Don't use table for formatting



b). Write a Javascript function that accepts a string as a parameter and find the shortest and longest word within the string.

17

a) Create the given sample responsive webpage using Bootstrap UI framework.



b) Develop a BMI calculator using Javascript. Write the calculate() function that takes the weight and height in the text boxes and displays the BMI in the span with the id of "score." BMI is calculated from the equation: $\text{weight} / (\text{height} * \text{height})$. You should also describe the person's body type based on their BMI score using the following criteria:

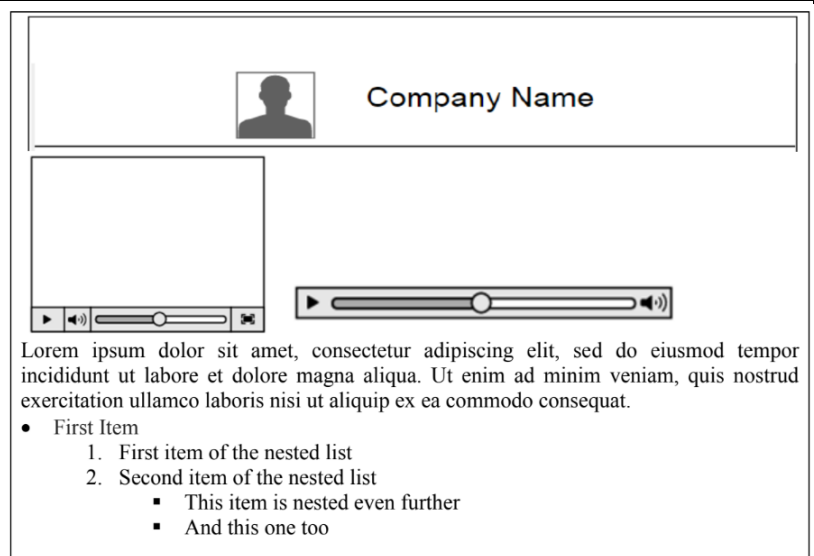
- Underweight: < 18 , • Normal: $18 - 25$, • Overweight: $25 - 30$, • Obese: > 30

18

a) Create an array of objects, where each object describes about a student and his/her properties for the name (a string), regno (a string) and year of birth (a number). Iterate through the array of students and display it on the web page. For each student, print the student name and register no like so: "John's Register Number is UR13CS129". Now use an if/else statement to categorize the students they have date of birth before 2000 and after 2000.

b) Create a HTML document that conforms to HTML5 standards and has the following elements:

- Create Header with a company name and an image logo.
- Embed a video and audio as per the following. Play the both audio and video when the user clicks on the play button.
- Include definition list, ordered nested List and unordered nested list.



19

31.1 Create a web application to develop the following conversion using client side javascript with proper CSS Styling. The application converts pounds to grams, kilograms and ounces

1gram=pound/0.002046
1kg=pound/2.2046
1ounce=pound*16

The web page should contain a horizontal navigation bar with rollover effect using a list of links.

Weight Converter Currency Converter Temperature Converter

Weight Converter

1

Grams: 453.59237(499) g

Kilograms: 0.45359237(499) kg

Ounces: 16 oz

20

A. Create a web application to develop the following temperature conversion using client side javascript with proper CSS Styling. The web page should contain a horizontal navigation bar with rollover effect using a list of links.

$$F = (C \times 9/5) + 32, \quad C = (F - 32) \times 5/9$$

B. Obtain a value in the textbox and using AngularJS print it as
11 July 2022.

Weight Converter

Currency Converter

Temperature Converter

X

Conversion Option

☒ Celsius to Fahrenheit

☐ Fahrenheit to Celsius



Perform Conversion

Celsius

Fahrenheit

21


A. Create a PHP web application with proper CSS styling and database to develop the following online registration with database as per the following design. The code should include proper validation


B. Obtain a value in the textbox and using AngularJS print it as 11 July 2022.



Registration Details


University :

Institute :



Branch : 

Degree :  ● Pursuing ● Completed

Avarage CPI :  Upto  Th Semester

Experience :  Years

Your Website Or Blog :

 Step 2 

22

Create a web application using HTML, CSS, Angular JS to design the following page and perform the area calculation using AngularJS. The web page should contain a horizontal navigation bar with rollover effect using a list of links.

Rectangle

Circle

Triangle

Rectangle

Length:

Breadth:

Area

The result is 0

Rectangle

Circle

Triangle

Circle

Radius:

Area

The result is 0

B. Obtain a value in the textbox and using AngularJS print it as Rs.10,000/-.

23

A. Design the following Pizza Order Form and calculate the total cost of the order using Javascript. A small pizza is Rs.100, a medium pizza is Rs.200 and a large pizza is Rs.400. Tax is an additional 9% to the order. The user must also pay a tip from 10-20% of the total cost of the order after tax.

of Small Pizzas

of Medium Pizzas

of Large Pizzas

Tip: ☐ 10% ☐ 15% ☒ 20%

Cost of order: 1438.8

B.Develop a program to flip the coin using **Javascript**.

24

A. Develop a program to flip the coin using **Javascript**.

Row 1 - Col 1	Row 1 - Col 2	Row 1 - Col 3	Row 1, 2, 3 & 4 - Col 4
Row 2 - Col 1	Row 2, 3 & 4 - Col 2 & 3		
Row 3 - Col 1			
Row 4 - Col 1			
Row 5 - Col 1 & 2		Row 5 - Col 3 & 4	
Row 6 - Col 1, 2, 3 & 4			

Create a HTML document that conforms to **HTML5** standards and has the following elements: Display the table in the given format.

25

A. Create a web page with JavaScript program to calculate and display the BMI value for the given weight and heights (input from user). You should also describe the person's body type based on their BMI score using the following criteria:
Underweight: < 18 , Normal: 18 – 25 ,
Overweight: 25 – 30 , Obese: > 30

b)Store the input and output value in POST JQUERY

26

A.Create a web page with AngularJS program to develop currency convertor. Assume at least 2 types of conversion. Currencies via drop down list box as given in the sample output. Get the input and the display the output value in post using NodeJS



B.Create a webpage using proper HTML5 and CSS3.

- ☐ Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect.
- ☐ Design a rounded corner image with hover effect and set a fixed background image for the whole webpage

27

A.Create an attractive web page for Sign In & Sign Up using HTML and CSS as given below.
Fetch the details in the next page using NodeJS

B. Get a number using javascript and check whether it is prime or not.

28

1) Create a webpage using proper **HTML5 and CSS3**.

- Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect.
- Make a simple rollover effect horizontal navigation bar using list of links. This navigation bar should stretch the full width of the screen and set background color. The navigation elements themselves should still be centered over the content area.



2) Print the “n” natural numbers and its sum using **Javascript**.

29

A.Design using HTML 5, CSS and perform display operation using Angular JS



B. Print the ‘n’ prime no using Angular Js

30

a)Create a HTML document that conforms to **HTML5** standards and has the following elements: Header should be at the top of the page. It contains the company name & company logo. Below the title include the navigation links and search box as shown in the mockup screen.



b)Design a birthday cake order form using HTML5 and process the bill using **Javascript**

31

A. Create the following contact form using HTML5 and display the results using AngularJS

Contact Form

Name: *

First name Last name

Email: *

Phone: *

Submit

B. Move a car from a place to another using JQuery.

32

A. Create a Simple Comment box using controller in Angularjs.

Post your Comment

Your Comment

Post Comment

Comments

B. Create a webpage using proper HTML5 and CSS3.

- ☐ Add website title and align the text at center of the page. Set the font size: 40px, background color and add text shadow effect.
- ☐ Design a rounded corner image with hover effect and set a fixed background image for the whole webpage

