

## LAB 3

1. Create a HTML 5 and CSS3 page and implement following features:

- audio
- video
- canvas
- svg
- string matching attribute selectors(\$,^,#)
- target pseudo class
- enabled disabled and checked pseudo class
- negation pseudo class
- selection pseudo element
- general sibling combinators
- elements with rounded corners
- use border images
- implement css3 pagination
- implement css3 multi column layout.

2. Study and try to use free HTML5 and CSS3 templates available in internet.

3. Write a JavaScript program to convert degrees centigrade into degrees Fahrenheit, and to write the result to the page in a descriptive sentence. The JavaScript equation for Fahrenheit to centigrade is as follows:

$$\text{degFahren} = 9 / 5 * \text{degCent} + 32$$

4. A junior programmer comes to you with some code that appears not to work. Can you spot where he went wrong? Give him a hand and correct the mistakes.

```
var userAge = prompt("Please enter your age");
if (userAge = 0);
{
  alert("So you're a baby!");
}
else if ( userAge < 0 | userAge > 200)
  alert("I think you may be lying about your age");
else
{
  alert("That's a good age");
}
```

5. Using `document.write()` , write code that displays the results of the 12 times table. Its output should be the results of the calculations.

$12 * 1 = 12$

$12 * 2 = 24$

$12 * 3 = 36$

...

$12 * 11 = 132$

$12 * 12 = 144$