W3D1 Homework

1. Implement these requirement by at least two ways, one way is javascript regex expression.
2. To check the given email if its format is valid;
3. To check the given date if its format is valid;
4. To check the given string if it is empty;
5. For a given string “**abc \*ec \*Eab**”, to replace the string “\*e” with “-”, and ignore case;
6. To remove spaces on both ends of a string;
7. For a given string "java--script", to exchange the string at the ends of the string "-". To chang "java--script" to “script--java”.
8. To print out messages in both constructors and implement the relationship between sub class and super class by javascript.
9. Design a clock in an html page.

Hint: Javascript Date() and innerHTML.

1. How many methods of Javascript String object? Gave an example for each one.

• replace() Searches a string for a specified value, or a regular expression, and returns a new string where the specified values are replaced

var x = “My String”;

console.log(x.replace(‘S’, ‘$’));

Gives My $tring in the console

• charAt() Returns the character at the specified index (position)

var x = “My String”;

console.log(x.charAt(0));

Displays M in console.

• indexOf() Returns the position of the first found occurrence of a specified value in a string

var x = “My String”;

console.log(x.indexOf(‘g’));

Displays 8 in the console.

• lastIndexOf() Returns the position of the last found occurrence of a specified value in a string

var x = “My String”;

console.log(x. lastIndexOf(‘y’));

Displays 1.

• match() Searches a string for a match against a regular expression, and returns the matches

var x = “My String”;

console.log(x.match(“My”));

Displays true in console.

• startsWith() Checks whether a string begins with specified characters

var x = My String”;

console.log(x.startsWith(‘H’));

Displays false.