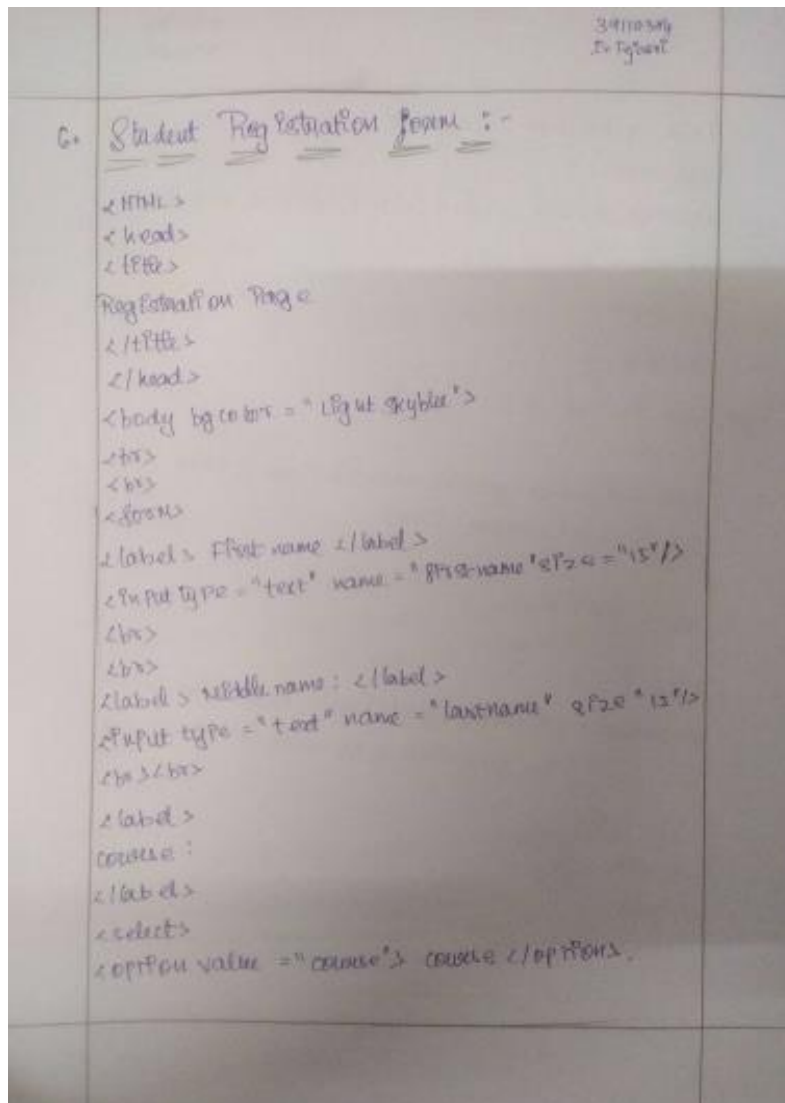


1. Develop a Student registration form using HTML Form elements. (Assume your own fields).

<https://www.roseindia.net/html/how-to-create-student-registration-form-with-html-code.shtml>

(we can use this also).

OR



```

<option value = "BCA"> BCA </option>
<option value = "BBA"> BBA </option>
<option value = "B.Tech"> B.Tech </option>
<option value = "MBA"> MBA </option>
<option value = "MCA"> MCA </option>
<option value = "M.Tech"> M.Tech </option>
</select>
<br>
<br>
<label>
Gender:
</label> <br>
<input type = "radio" name = "Male" /> Male <br>
<input type = "radio" name = "Female" /> Female <br>
<input type = "radio" name = "Other" /> Other <br>
</label>
Phone:
</label>
<input type = "text" name = "country code"
value = "91" <size = "3" />
<input type = "text" name = "phone" <size = "10" />
<br>
<br>

```

```

Address
<br>
<text area id = 'a' name = 's' value = 'address' />
</text area>
<br> <br>
Email:
<input type = "email" id = "email" name = "email" />
<br>
<br>
Password:
<input type = "password" id = "pass" name = "pass" />
<br>
<br> <br>
Re-type Password:
<input type = "password" id = "repass"
name = "repass" /> <br> <br>
<input type = "button" value = "submit" />
</form>
</body>
</html>

```

20/10/2024
20/10/2024

Output :-

Registration Form

First name:

Middle name:

Last name:

Course:

Gender:

☐ Male

☐ Female

☐ Other

Phone:

Address:

Email:

Password:

Repassword:

2. Classify the various types of style sheets. Briefly explain about linking of external Style sheets and fixing the backgrounds.

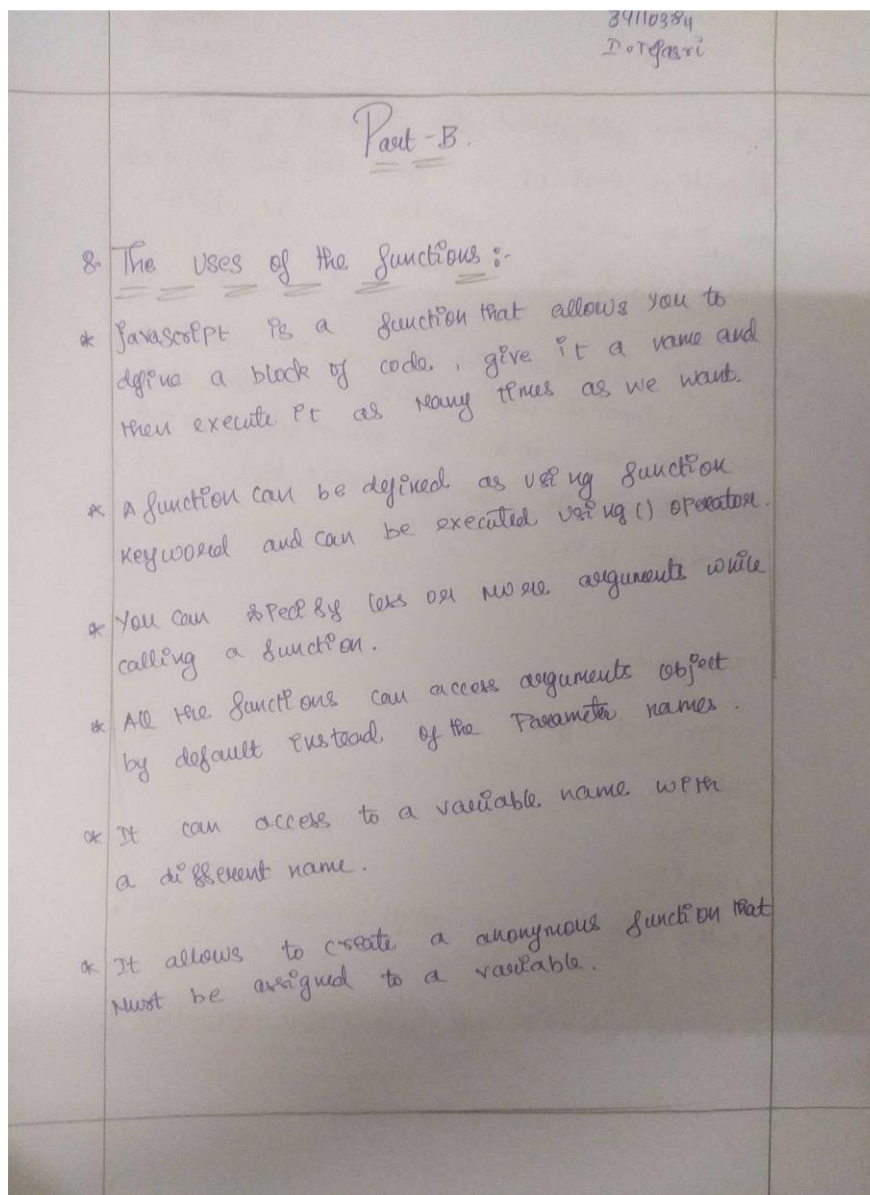
<http://www.landofcode.com/css-tutorials/css-stylesheets.php>

<https://www.tutorialspoint.com/linking-external-style-sheets-in-css>

https://www.tutorialspoint.com/html/html_style_sheet.htm

3.State the uses of function. Develop a program in java script to calculate factorial using function.

<https://www.javatpoint.com/how-to-find-factorial-of-a-number-in-javascript>



* Functions are used for performing the of respective task or we can say the functions are those which provides us the better efficiency of the Program.

* Thus a functions provides us the ability to make a function which contains a code and then use them, when a functions can call then it executes the statements that are contained in it.

→ Program :-

```
<!DOCTYPE html>
```

```
<html>
```

```
<head>
```

```
</head>
```

```
<body style = "text-align : center ; font-size :  
20px;">
```

```
<h1> Welcome to the JavaTpoint.com </h1>
```


39110324

De Teja

Enter a number : <input id = "num">

<button onclick = 'fact()'> Factorial </button>

<p id = "res"> </p>

<script>

function fact() {

var i, num, s;

s = 1;

num = document.getElementById("num").value;

for (i = 1; i <= num; i++)

{

s = s * i;

}

i = i - 1;

document.getElementById("res").innerHTML =
"The factorial of the number " + i + " is " + s;

}

</script>

</body>

</html>

4. Summarize the methods associated with array object in JavaScript. Explain any two methods with an example.

http://www.tutorialspark.com/javascript/Javascript_Array_Object_Methods.php

(every thing is here).



JavaScript Array

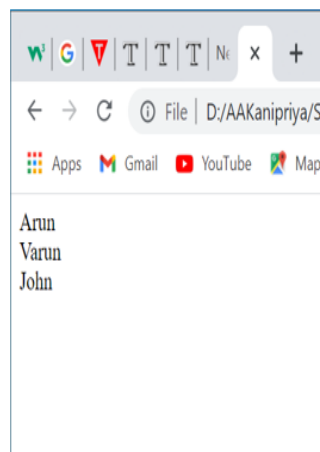
- JavaScript array is an object that represents a collection of similar type of elements.
- The syntax of creating array directly is given below:

```
var arrayname=new Array();
```

```
<html>
<body>
<script>
var i;
var emp = new Array();
emp[0] = "Arun";
emp[1] = "Varun";
emp[2] = "John";

for (i=0;i<emp.length;i++){
document.write(emp[i] + "<br>");
}
</script>
</body>
</html>
```

Output



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```
<html>
<body>
<script>
var i;
var emp = new Array();
emp[0] = "Arun";
emp[1] = "Varun";
emp[2] = "John";

for (i=0;i<emp.length;i++){
document.write(emp[i] + "<br>");
}
</script>
```

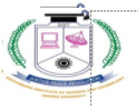

</body>
</html>



Array Methods

- concat()
- Returns a new array comprised of this array joined with other array
- indexOf()
- Returns the first (least) index of an element within the array equal or -1 if none is found.
- join()
- Joins all elements of an array into a string.
- pop()
- Removes the last element from an array and returns that element.
- push()
- Adds one or more elements to the end of an array and returns the new length of the array.

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- reverse()
- Reverses the order of the elements of an array -- the first becomes the last and the last becomes the first.
- slice()
- Extracts a section of an array and returns a new array.
- sort()
- Sorts the elements of an array

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Program Using concat()

```
<html>
<head>
  <title>JavaScript Array concat Method</title>
</head>

<body>
  <script type = "text/javascript">
    var alpha = ["a", "b", "c"];
    var numeric = [1, 2, 3];
    var alphaNumeric = alpha.concat(numeric);
    document.write("alphaNumeric : " + alphaNumeric);
  </script>
</body>
</html>
```

Output

alphaNumeric : a,b,c,1,2,3



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JavaScript - Array pop() Method

```
<html>
<head>
  <title>JavaScript Array pop Method</title>
</head>

<body>
  <script type = "text/javascript">
    var numbers = [1, 4, 9];

    var element = numbers.pop();
    document.write("element is : " + element);

    var element = numbers.pop();
    document.write("<br />element is : " + element);
  </script>
</body>
</html>
```

Output

element is : 9
element is : 4

