Experiment 6:

Write a HTML program for numerous elements and that should be organized seperately with class selector by using cascading style sheet.

Aim:

Write an HTML program with multiple elements styled using class selectors.

procedure:

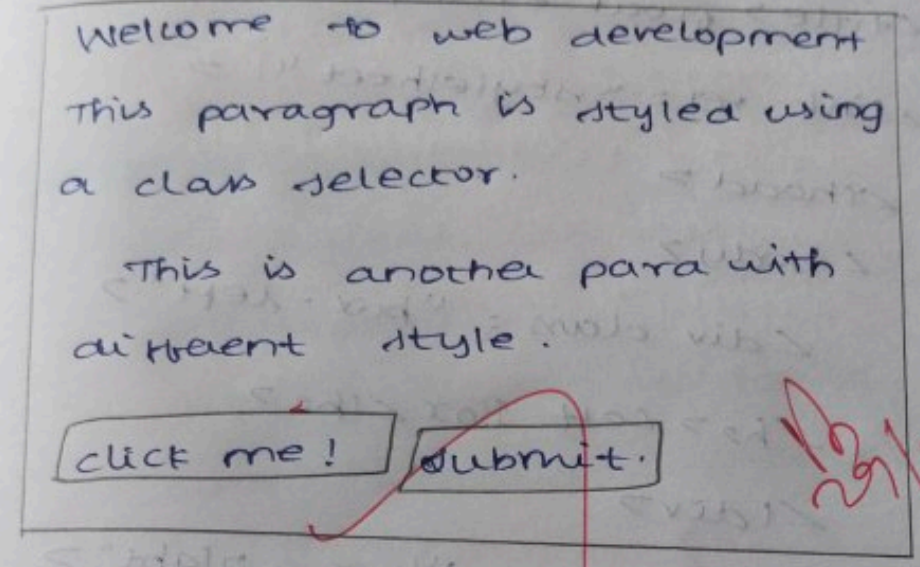
1) create elements. html with heading.
2) Assign class names.
3) create with class selector styles
4) open in browser.

program:

```
<! DOCTYPE html>
<html>
<head>
<title> class selector Example </title>
<link rel = "stylesheet" href = "style.css">
</head>
<body>
<h1 class = "main heading"> </h1>
<p class = "intro para"> .</p>
<p class = "content- para"></p>
```

```
<button class="btn-primary"> </button>
</body>
</html>
```

output:



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Result:

The program is excuted succesfully.

Experiment 7

Aim:

create an HTML page using CSS float to place two elements side by side.

procedure:

1) make float-example.html with two

2) give classes for styling

3) open in browser to see boxes

program:

```
<!DOCTYPE html>
<html>
<head>
<title> float example </title>
<link rel = "stylesheet" >
</head>
<body>
<div class = "box - left" >
<h2> Left Box </he>
</div>
<div class = "box - right" >
<h2> Right Box </h2>
</div>
</body>
</html>
```

Output:

Left Box:

This box floats to the left side

Right Box:

This box floats to the Right side

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Result:

The program is executed successfully

Experiment 8:

write a java script page to find

-> Exponential value

-> Limit the number of digit

-> convert a number to string

-> Return negative infinity.

Aim:

create a JS page to:

- Find exponential value
- Limit decimals.
- convert number to string
- show negative infinity.

pro-edure:

1) make numba-operations.html

2) write JS in <script>

3) show ~~results~~ result with document.

write()

4) open brower to view output.

program:

```
<!DOCTYPE html>
<html>
<head>
<title> JS no operations </title>
</head>
<body>
```

```
<h1> JS no operations </h1>
  <script>
    var num = 1234.56789;
    document.write("<h3> Exponential:
     " + num.toExponential(2) + "</h3>");
    document.write("<h3> TO string:
    " + num.toString() + "</h3>");
  </script>
  </body>
  </html>
```

output:

Javascript number operations
Exponential value (2 digits): 1.23e+3
fixed Decimal (3 places): 1234.568
Number of string: 1234.56789
Negative Infinity: -Infinity.

Result:

The program is executed successfully.

Experiment 9

write a JS program to Email validation. You can apply validation on the below text questions to ensure they accept answers in a specific format;

Aim:

validate a user-entered email using JS and RegEx:

procedure:

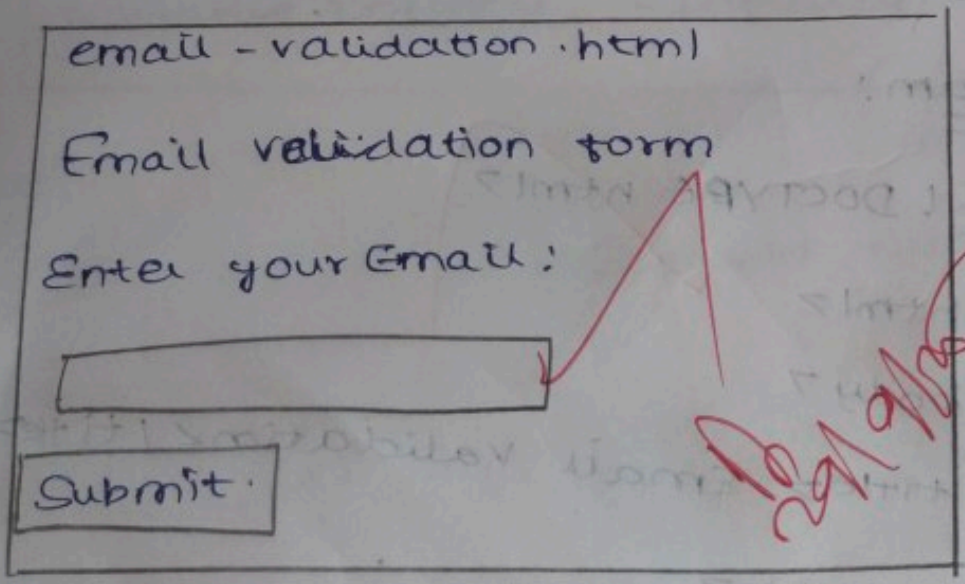
1. Create email.validation.html
2. Add form with email input and submit button.
3. write JS function using RegEx to validate email.
4. Show alert for valid/ invalid email.

program:

```
<!DOCTYPE html>
<html>
<body>
<title> Email validation</title>
<script>
    function validate email() {
var email = document.getElement
ById("email").value;
```

```
var pattern = /^[^\s@]+@[^\s@]
    +\.[^\s@]+$/;
if (pattern.test(email)) alert
        ("valid email Address!");
return false;
}
</script>
</head>
<body>
<h2> Email validation form</h2>
<input type = "submit" value = "submit">
</form>
</body>
</html>
```

output:



Result:

The program is executed succesfully

Experiment 10

Write a HTML program to add a background GIF to a webpage and alter its height, width, transparency and transition using CSS.

Aim:

create an HTML page with a background GIF and apply CSS for size, transparency and transition effects.

procedure:

1) create background - gif. html.

2) Add a container for the GIF

3) Apply CSS for size, transparency, and transition.

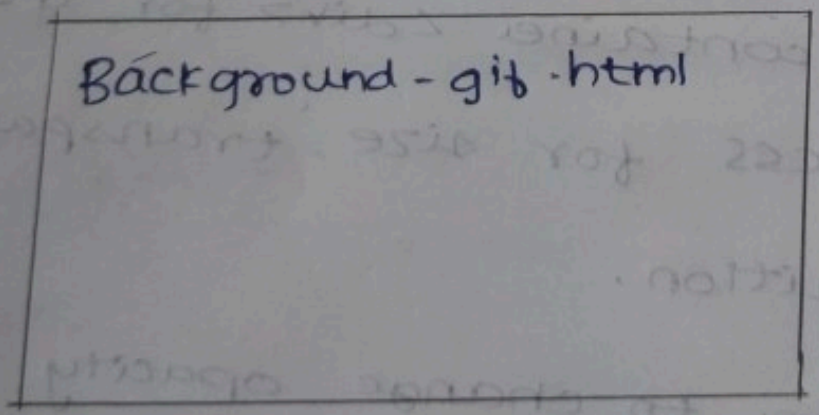
4) Use hover to change opacity smoothly.

program:

```
<!DOCTYPE.html>
<head>
<body>
<title> GIF Background </title>
</style>
body, html { margin: 0; height:
                100vh; }
```

```
.bg :hover { opacity:1; }
h1 { colour : #ffff ; text-align :
center; padding- top : 40%. ; }
</style>
</head>
<body>
<div class = "bg"> <h1> welcome !
</h1></div>
</body>
</html>
```

output :



Result :

The program is executed successfully.