

Practical-6 :

JS class, Objects, Error Object, JSON Object, Trycatch

AIM 1): Demonstrate Class, Properties, Methods and Objects

Source code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <script>
    class animal
    {
      constructor(type, voice)
      {
        this.type = type;
        this.voice = voice;
        document.write(`<br> type :- ${type}<br> voice in:-${voice}
in animal`);
      }
      displayanimal()
      {
        document.write(`<br> inside animal class`);
      }
    }
    class cat extends animal
```

```
{
  constructor(colour, name)
  {
    super(colour, name);
    this.colour = colour;
    this.name = name;
    document.write(`<br> colour :- ${this.colour}<br> name :-
${this.name} in cat`);
  }
  displaycat()
  {
    document.write(`<br> inside cat class`);
  }
}
let r = new cat('white','meow');
r.displayEle();
r.displayBike();
</script>
</body>
</html>
```

Output :

```
type :- white
voice in:-meow in animal
colour :- white
name :- meow in cat
```

AIM 2) : Demonstrate how to work with JSON File.

Source code :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
</head>
<body>
<h3>Value fetched from json converting in js obj</h3>
<p id="p"></p>
<script>
var hitu = '{"first_name" : "Hitanshi", "last_name" : "Chauhan", "location" :
"Gujarat", "gender" : "Female"}';
const obj = JSON.parse(hitu);
let t = `first-name:- ${obj.first_name} <br> last-name:-
${obj.last_name} <br> location: ${obj.location} <br> gender:
${obj.gender} <br>`; document.getElementById('p').innerHTML = t;
</script>
</body>
</html>
```

Output :

← → ↺ ⓘ File | C:/Users/Hp/Documents/wt/pr6.html

Value fetched from json converting in js obj

first-name:- Hitanshi
last-name:- Chauhan
location: Gujarat
gender: Female

AIM 3) : Do Spoural Registration Form Validation (Error object and try...catch..)

Source code :

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">
  <title>Document</title>
</head>
<body>
  <div class="main">
    <h1>spoural registration forms</h1>
    <form action="">
      <label for="name">Name:-</label>
      <input type="text" id="name">
      <br>
      <label for="id">Id:-</label>
      <input type="text" id="id">
      <br>
      <label for="Branch">Branch</label>
      <input type="text" id="br">
      <br>
      <input type="button" value="Submit" id="submit">
      <p id="p"></p>
    </form>
  </div>
  <style>
    .main
    {
      top: 25%;
      left: 25%;
```

```
font-size: 30px;
padding: 20px;
width: 50%;
height: 45%;
background-color : purple;
position: absolute;
display: block;
text-align: center;
justify-content: center;
border: 2px black;
}
input
{
padding: 5px;
margin: 10px;
}
</style>
<script>
let btn = document.getElementById('submit');
btn.onclick = () =>
{
let name = document.getElementById('name');
let id = document.getElementById('id');
let br = document.getElementById('br');
let p = document.getElementById('p');
try
{
if (name.value == " " || id.value == " " || br.value == " ")
{
throw new Error("NULL Value NOT allowed")
}
else if (br.value != "it" && br.value != "ce" && br.value !=
"cse")
{
throw new Error("invalide branch")
}
}
```

```
        else
        {
            p.innerHTML = "success"
        }
    }
    catch (error)
    {
        p.innerHTML = "Error: " + error.message;
    }
}
</script>
</body>
</html>
```

Output :

Spoural Rgistration Forms

Name:-

Id:-

Branch

