Practical-6 :
JS class, Objects, Error Object, JSON Object, Trycatch

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

Source code :

```html
<!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
```
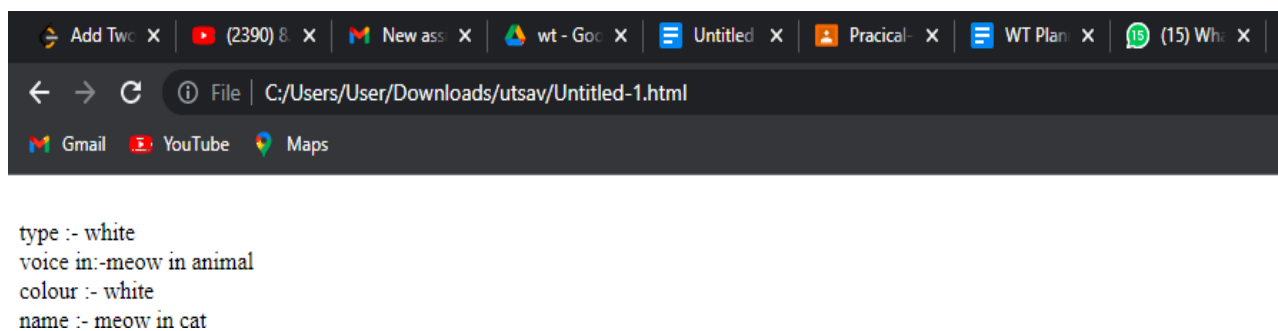
```
        {
        constructor(colour, name)
        {
        super(colour, name);
        this.colour = colour;
        this.name = name;
        document.write(`<br> colour :- ${this.colour}<br> name :-
${this.name} in cat`);
        }
        displaycat()
        {
        document.write(`<br> 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 :

```html
<!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>
<h1>Value fetched from json converting in js obj</h1>
<p id="p"></p>
<script>
var Prachi = '{"first_name" : "Prachi", "last_name" : "Sanghavi",
"location" : "Gujarat", "gender" : "Female"}';
const obj = JSON.parse(Prachi);
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 :

Value fetched from json converting in js obj

first-name:- Prachi
last-name:- Sanghavi
location: Gujarat
gender: Female

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

Source code :

```html
<!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%;
```

```css
        font-size: 30px;
        padding: 20px; width:
        50%;
        height: 45%;
    background-color: #F5F5DC
     ;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 !=


     {
     throw new Error("Invalid branch")
"cse")
     }
```

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

Output :

Spoural registration form

Name:- Prachi Sanghavi

Id:- d22it212

Branch it

Submit

success

Spoural registration form

Name:- Prachi Sanghavi

Id:- d22it212

Branch ec

Submit

Error: Invalid branch