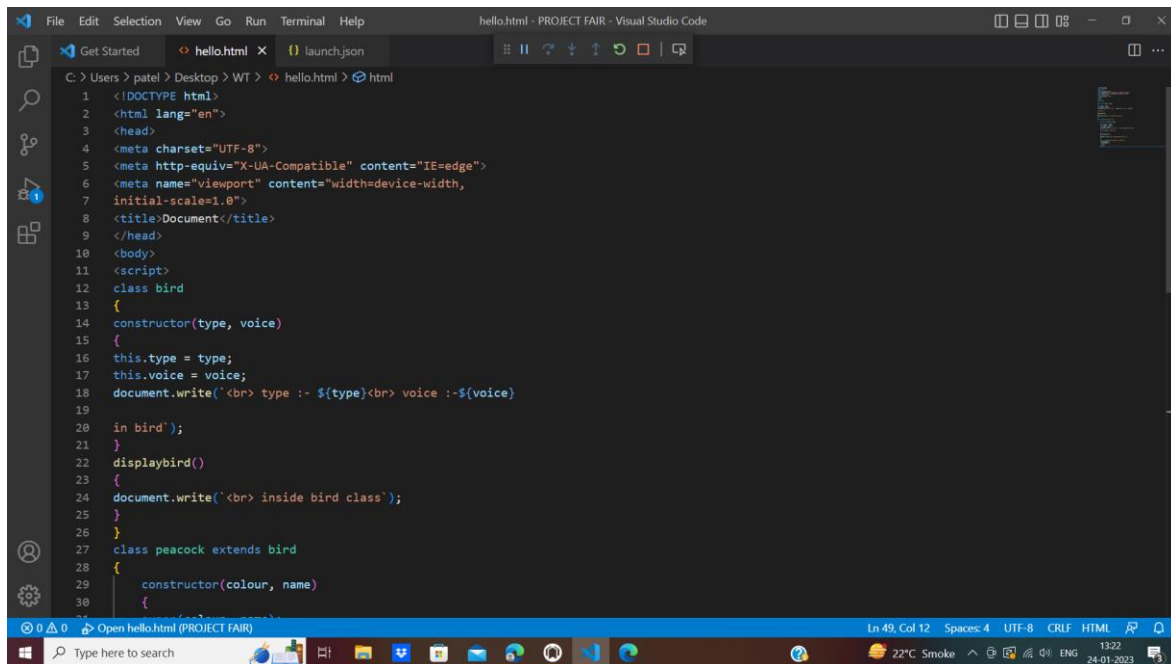


Practical-6

Aim: JS class, Objects, Error Object, JSON Object, Try-catch

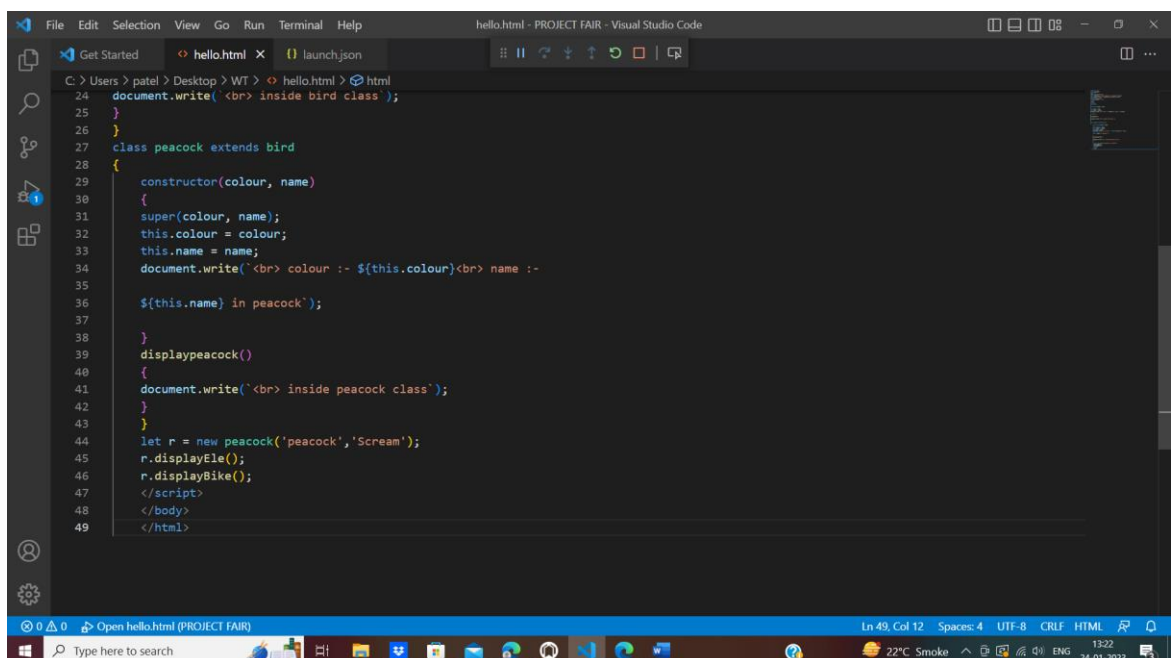
6.1 Demonstrate Class, Properties, Methods and Objects

Program:



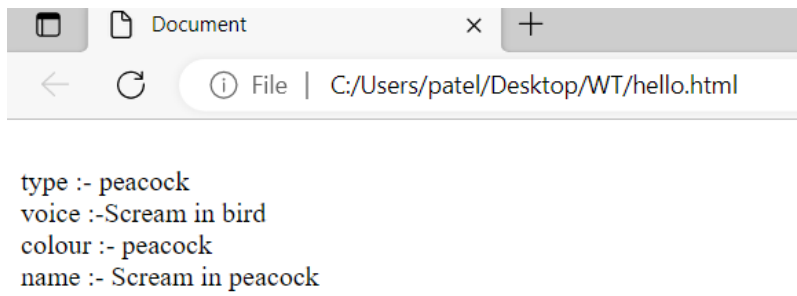
```
File Edit Selection View Go Run Terminal Help
hello.html - PROJECT FAIR - Visual Studio Code

C:\Users\patel\Desktop\WT> hello.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width,
7 initial-scale=1.0">
8 <title>Document</title>
9 </head>
10 <body>
11 <script>
12 class bird
13 {
14 constructor(type, voice)
15 {
16 this.type = type;
17 this.voice = voice;
18 document.write('<br> type :- ${type}<br> voice :-${voice}')
19 }
20 in bird';
21 }
22 displaybird()
23 {
24 document.write('<br> inside bird class');
25 }
26 }
27 class peacock extends bird
28 {
29 constructor(colour, name)
30 {
31 super(colour, name);
32 this.colour = colour;
33 this.name = name;
34 document.write('<br> colour :- ${this.colour}<br> name :-
35 ${this.name} in peacock');
36 }
37 }
38 displaypeacock()
39 {
40 document.write('<br> inside peacock class');
41 }
42 }
43 let r = new peacock('peacock','Scream');
44 r.displayEle();
45 r.displayBike();
46 </script>
47 </body>
48 </html>
```



```
File Edit Selection View Go Run Terminal Help
hello.html - PROJECT FAIR - Visual Studio Code

C:\Users\patel\Desktop\WT> hello.html > html
24 document.write('<br> inside bird class');
25 }
26 }
27 class peacock extends bird
28 {
29 constructor(colour, name)
30 {
31 super(colour, name);
32 this.colour = colour;
33 this.name = name;
34 document.write('<br> colour :- ${this.colour}<br> name :-
35 ${this.name} in peacock');
36 }
37 }
38 displaypeacock()
39 {
40 document.write('<br> inside peacock class');
41 }
42 }
43 let r = new peacock('peacock','Scream');
44 r.displayEle();
45 r.displayBike();
46 </script>
47 </body>
48 </html>
```

Output:

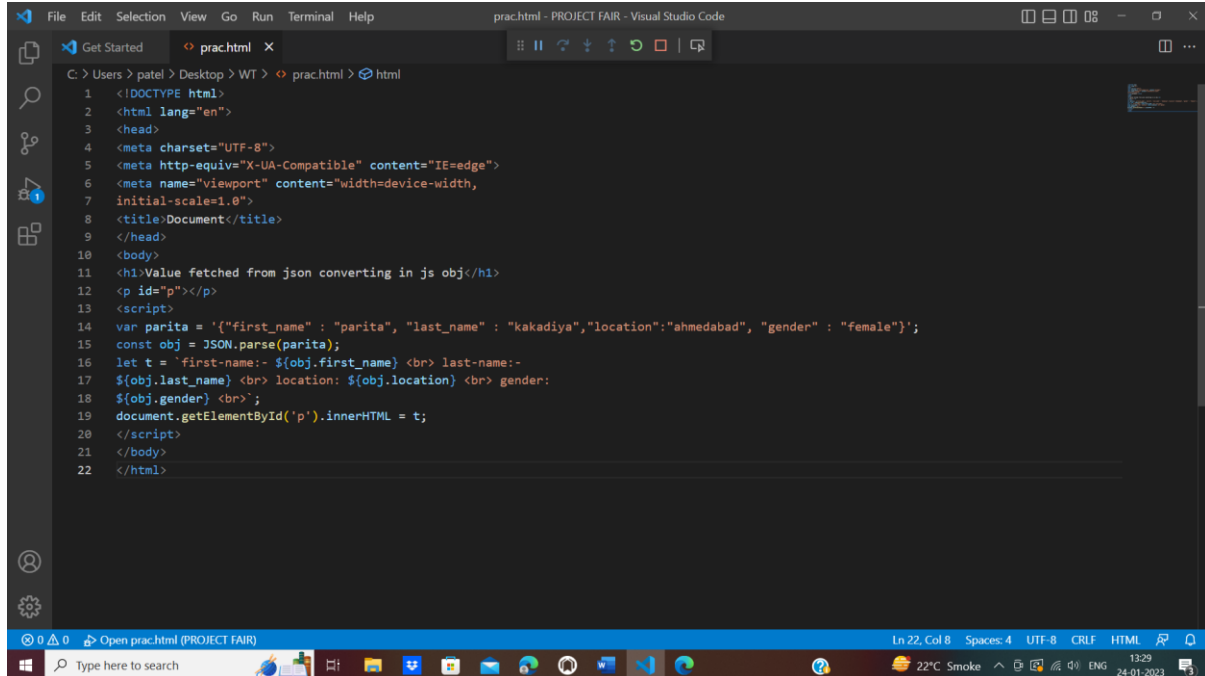
A screenshot of a web browser window. The title bar shows 'Document' and a close button. The address bar shows 'File | C:/Users/patel/Desktop/WT/hello.html'. The main content area displays the following text:

```
type :- peacock  
voice :-Scream in bird  
colour :- peacock  
name :- Scream in peacock
```

Conclusion: in this practical we learn that how to demonstrate Class, Properties, Methods and Objects.

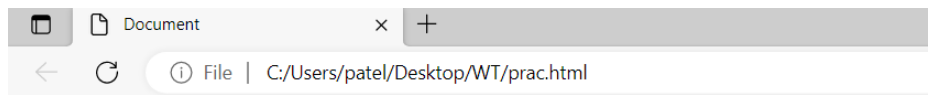
6.2 demonstrate how to work with JSON File

Program:



```
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width,
7 initial-scale=1.0">
8 <title>Document</title>
9 </head>
10 <body>
11 <h1>Value fetched from json converting in js obj</h1>
12 <p id="p"></p>
13 <script>
14 var parita = '{"first_name": "parita", "last_name": "kakadiya", "location": "ahmedabad", "gender": "female"}';
15 const obj = JSON.parse(parita);
16 let t = `first-name:- ${obj.first_name} <br> last-name:-
17 ${obj.last_name} <br> location: ${obj.location} <br> gender:
18 ${obj.gender} <br>`;
19 document.getElementById('p').innerHTML = t;
20 </script>
21 </body>
22 </html>
```

Output:



Value fetched from json converting in js obj

first-name:- parita
last-name:- kakadiya
location: ahmedabad
gender: female

Conclusion: in this practical we learn that how to work with json file.

6.3 Do Spoural Registration Form Validation (Error object and try...catch.)

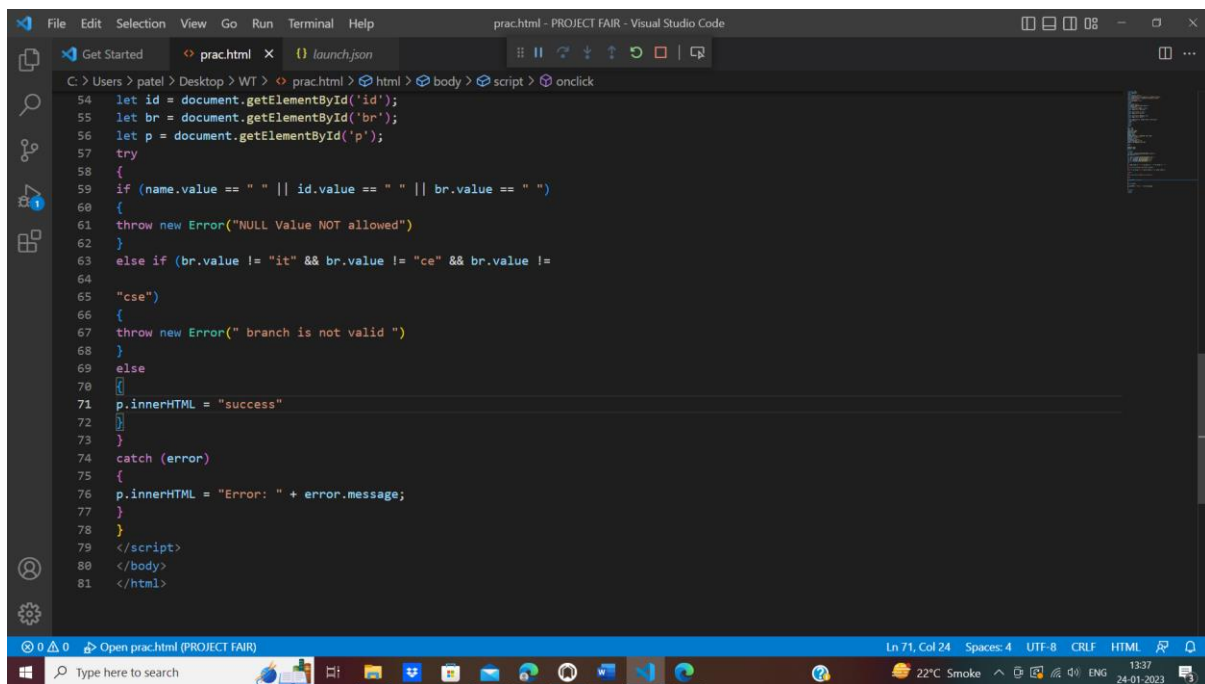
Program:

```

1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta http-equiv="X-UA-Compatible" content="IE=edge">
6 <meta name="viewport" content="width=device-width,
7 initial-scale=1.0">
8 <title>Document</title>
9 </head>
10 <body>
11 <div class="main">
12 <h1>spoural registration form</h1>
13 <form action="">
14 <label for="name">Name:-</label>
15 <input type="text" id="name">
16 <br>
17 <label for="id">Id:-</label>
18 <input type="text" id="id">
19 <br>
20 <label for="Branch">Branch</label>
21 <input type="text" id="br">
22 <br>
23 <input type="button" value="Submit" id="submit">
24 <p id="p"></p>
25 </form>
26 </div>
27 <style>
28 .main
29 {
30   top: 25%;
  
```

```

31 left: 25%;
32 font-size: 30px;
33 padding: 20px;
34 width: 50%;
35 height: 45%;
36 background-color : rgb(220, 166, 220);
37 position: absolute;
38 display: block;
39 text-align: center;
40 justify-content: center;
41 border: 2px solid rgb(24, 10, 10);
42 }
43 input
44 {
45   padding: 5px;
46   margin: 10px;
47 }
48 </style>
49 <script>
50 let btn = document.getElementById('submit');
51 btn.onclick = () =>
52 {
53   let name = document.getElementById('name');
54   let id = document.getElementById('id');
55   let br = document.getElementById('br');
56   let p = document.getElementById('p');
57   try
58   {
59     if (name.value == "" || id.value == "" || br.value == "")
60     {
  
```



```
prach.html - PROJECT FAIR - Visual Studio Code
C:\Users\patel\Desktop\WT> cd prach.html > html > body > script > onclick
54 let id = document.getElementById('id');
55 let br = document.getElementById('br');
56 let p = document.getElementById('p');
57 try
58 {
59   if (name.value == " " || id.value == " " || br.value == " ")
60   {
61     throw new Error("NULL Value NOT allowed")
62   }
63   else if (br.value != "it" && br.value != "ce" && br.value !=
64     "cse")
65   {
66     throw new Error(" branch is not valid ")
67   }
68 }
69 else
70 {
71   p.innerHTML = "success"
72 }
73 }
74 catch (error)
75 {
76   p.innerHTML = "Error: " + error.message;
77 }
78 }
79 </script>
80 </body>
81 </html>
```

Output:



spoural registration form

Name:-

Id:-

Branch

success



spoural registration form

Name:-

Id:-

Branch

Error: branch is not valid

Conclusion: in this practical we learn that how to create Spoural Registration Form Validation with Error object and try catch statement with json file.