Functions in JavaScript (Basic)

```html
4        </head>
5        <body>
6            <script>
7                function msg(){
8                    document.write("Welcome to home page <br>");
9                }
10               msg();
11
12               function add(a,b){
13                   document.write(a+b);
14               }
15               add(15,15);
16
17               function sub(){
18                   var a = 20, b = 10
19                   // return document.write(a-b);
20                   return a-b
21               }
22               var a = sub();
23               document.write("<br>"+a);
24
25               function pow(x,y){
26                   return x**y;
27               }
28               var b = pow(5,2);
29               document.write("<br>"+b);
30
31           </script>
32       </body>
33   </html>
```

Arrow functions (ES 6)

```
C: > intreact > ◇ arrowfunction.html > ◇ body > ◇ script
  1    <!DOCTYPE html>
  2        <heaD>
  3
  4        </heaD>
  5        <body>
  6            <script>
  7                const myfun = (a,b) => { return a+b };
  8                var c = myfun(10,20);
  9                document.write(c+"<br>");
 10
 11                const one = () => {document.write("HELLO <br/>");};
 12                one();
 13
 14                const two = (i,j) => {document.write(i+j);};
 15                two(25,25);
 16
 17                const three = () => { return "<br>  hi"; };
 18                var d = three();
 19                document.write(d);
 20
 21                // form text box -> submit -> even / odd print arrow function
 22            </script>
 23        </body>
 24    </html>
```

**TASK 1 : ALLOW USER TO INSERT A NUMBER VIA FORM (HTML FORM). ENTERED
NUMBER SHOULD BE PASSED IN ARROW FUNCTION VIA ARGUMENT AND PRINT /
ALERT THAT NUMBER IS EVEN OR ODD.**

OBJECT DATA TO TABLE : OBJECT.HTML

C: > intreact > <> object.html > ⬡ body > ⬢ script

```
 1   <!DOCTYPE html>
 2       <head>
 3
 4       </head>
 5       <body>
 6           <script>
 7               var myobject = {"gujarat":"ahmedabad","maharashtra":[{"date":"27 june 2024","cases":5},
 8               {"date":"28 june 2024","cases":10},{"date":"29 june 2024","cases":15}],"rajasthan":[200,250,0]};
 9               document.write(myobject["gujarat"]+"<br>");
10               document.write(myobject["rajasthan"][1]+"<br>");
11               document.write(myobject["maharashtra"][2]["date"]+"<br>");
12
13               var myobject = {"gujarat":"ahmedabad","maharashtra":"mumbai","rajasthan":"jaipur"};
14               for(var i in myobject){
15                   document.write("State is "+i+" City is "+myobject[i]+"<br>");
16               }
17
18               var cases = {"ahmedabad":[1500,1600,2],"rajkot":[500,600,1],"surat":[1200,1300,4]};
19               for(var i in cases){
20                   document.write(i+"new cases "+cases[i][0]+"recovered cases"+cases[i][1]+" death cases "+cases[i][2]+"<br>")
21               }
22
23           </script>
24
25           <table border="1" width="100%">
26               <tr>
27                   <th>City Name</th>
28                   <th>New Cases</th>
29                   <th>Recovered Cases</th>
```

```
24
25           <table border="1" width="100%">
26               <tr>
27                   <th>City Name</th>
28                   <th>New Cases</th>
29                   <th>Recovered Cases</th>
30                   <th>Death Cases</th>
31               </tr>
32               <script>
33                   for(i in cases){
34                       document.write("<tr><td>"+i+"</td><td>"+cases[i][0]+"</td><td>"+cases[i][1]+"</td><td>"+cases[i][2]+"</td></tr>");
35                   }
36               </script>
37           </table>
38       </body>
39   </html>
```

TASK 2 : SEARCH AND LEARN BASIC ABOUT LITERALS OR TEMPLATE LITERALS FROM NET.

FETCHING LIVE DATA : API DATA

```
C: > intreact > <> apifetch.html > ⊘ body > ⊘ script
   1   <!DOCTYPE html>
   2       <head>
   3
   4       </head>
   5       <body>
   6           <script>
   7               async function load(){
   8                   let url = "https://api.coindesk.com/v1/bpi/currentprice.json";
   9                   let myobject = await(await fetch(url)).json();
  10
  11                   document.write(myobject+"<br>");
  12                   for(i in myobject){
  13                       document.write(i+"<br>");
  14                   }
  15                   document.write(myobject["bpi"]["USD"]["rate"]);
  16               }
  17               load();
  18           </script>
  19       </body>
  20   </html>
```

TASK 3 :

API : https://data.covid19india.org/data.json

PRINT DATA FROM ABOVE API IN TABLE FORMAT

SR NO | STATE NAME | CONFIRMED CASES | RECOVERED CASES | DEATH CASES