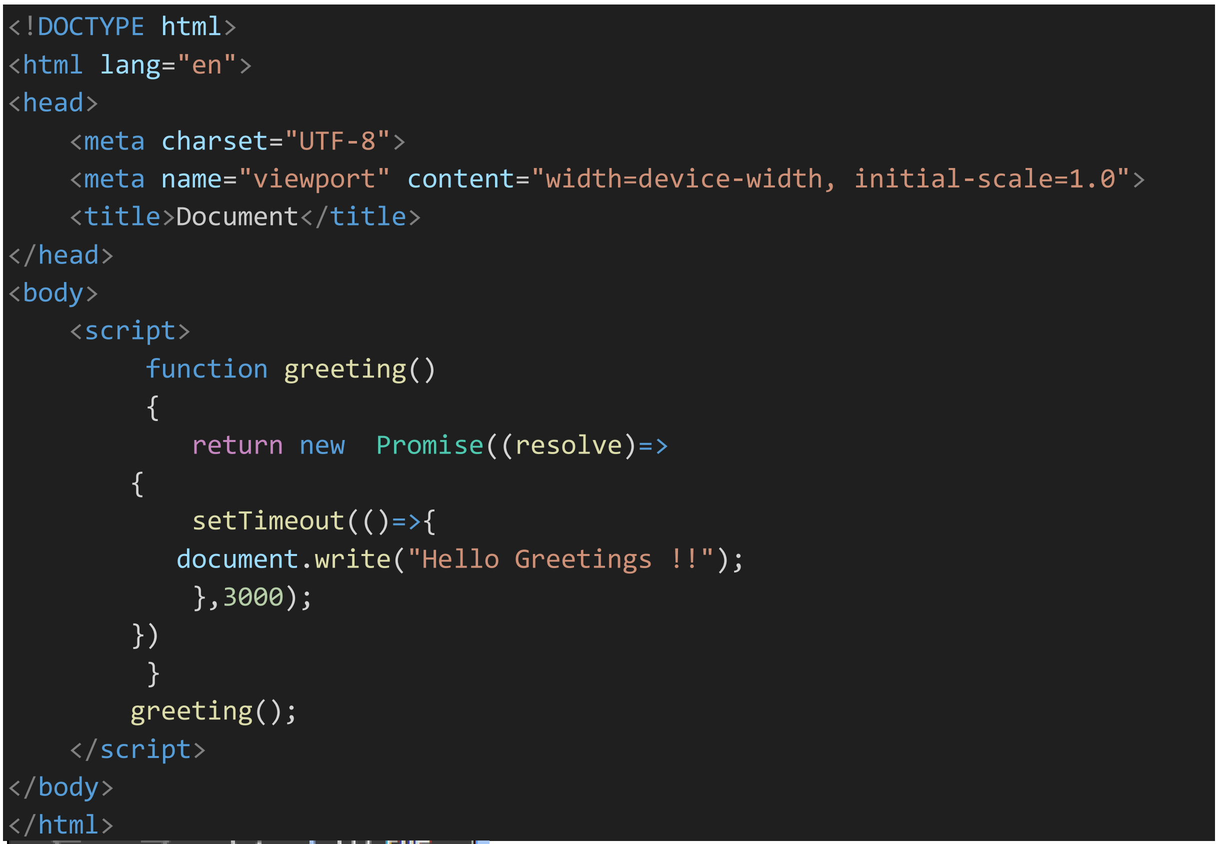
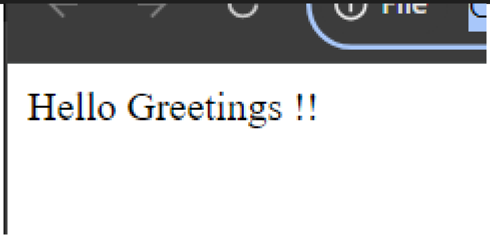
PROMISES

TASK 1

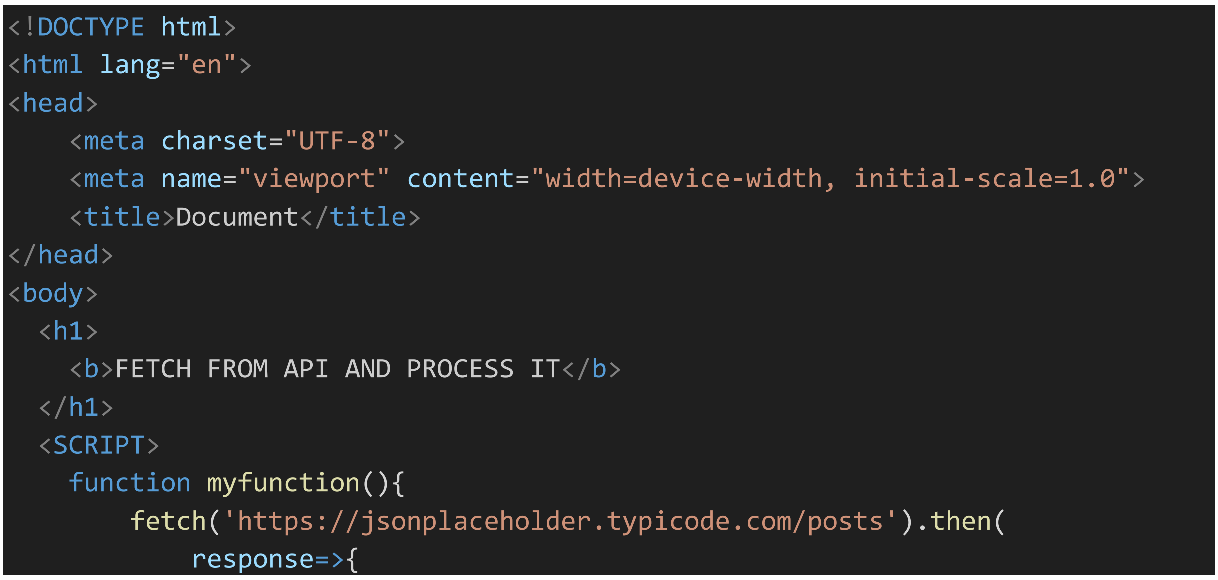


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
         function greeting()
         {
            return new  Promise((resolve)=>
        {
            setTimeout(()=>{
           document.write("Hello Greetings !!");
            },3000);
        })
         }
        greeting();
    </script>
</body>
</html>
```

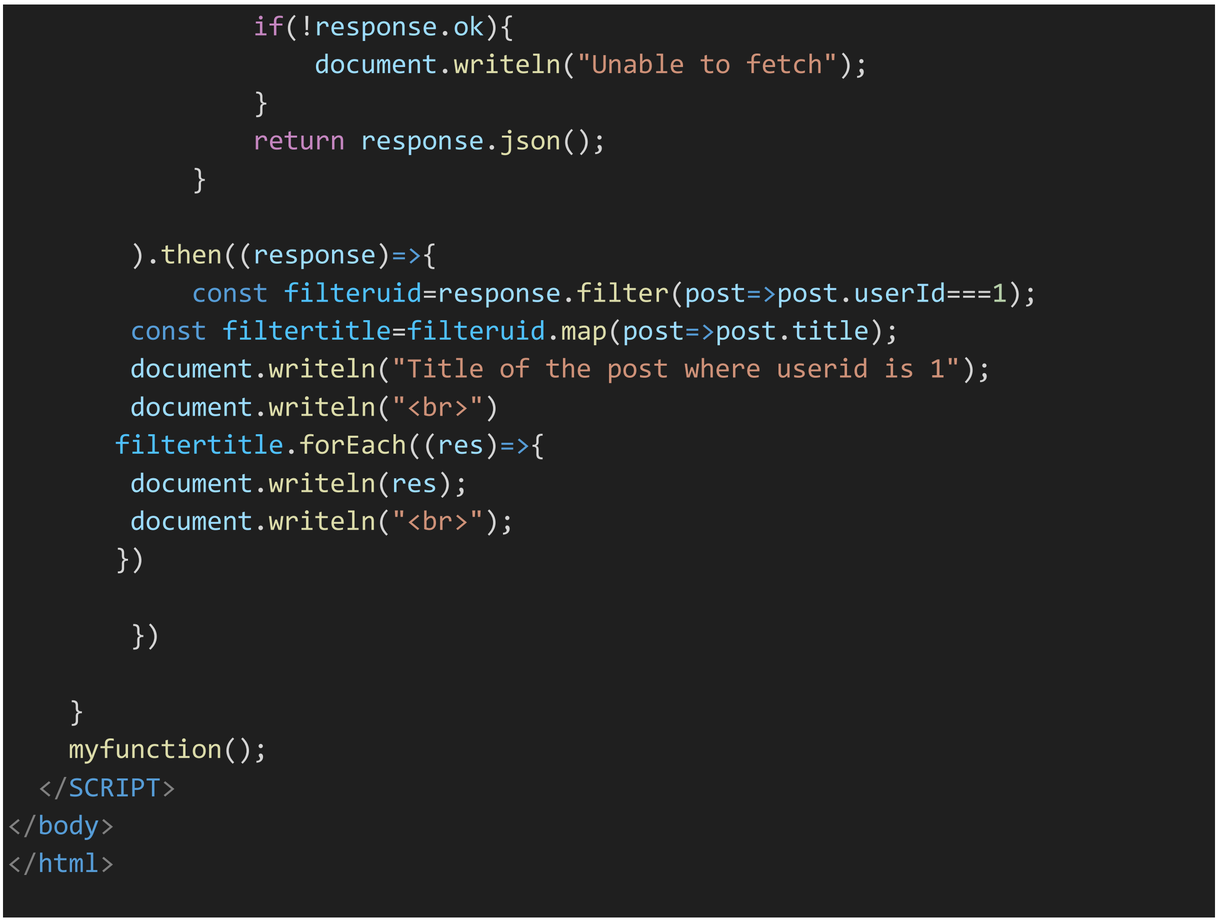


```
Hello Greetings !!
```

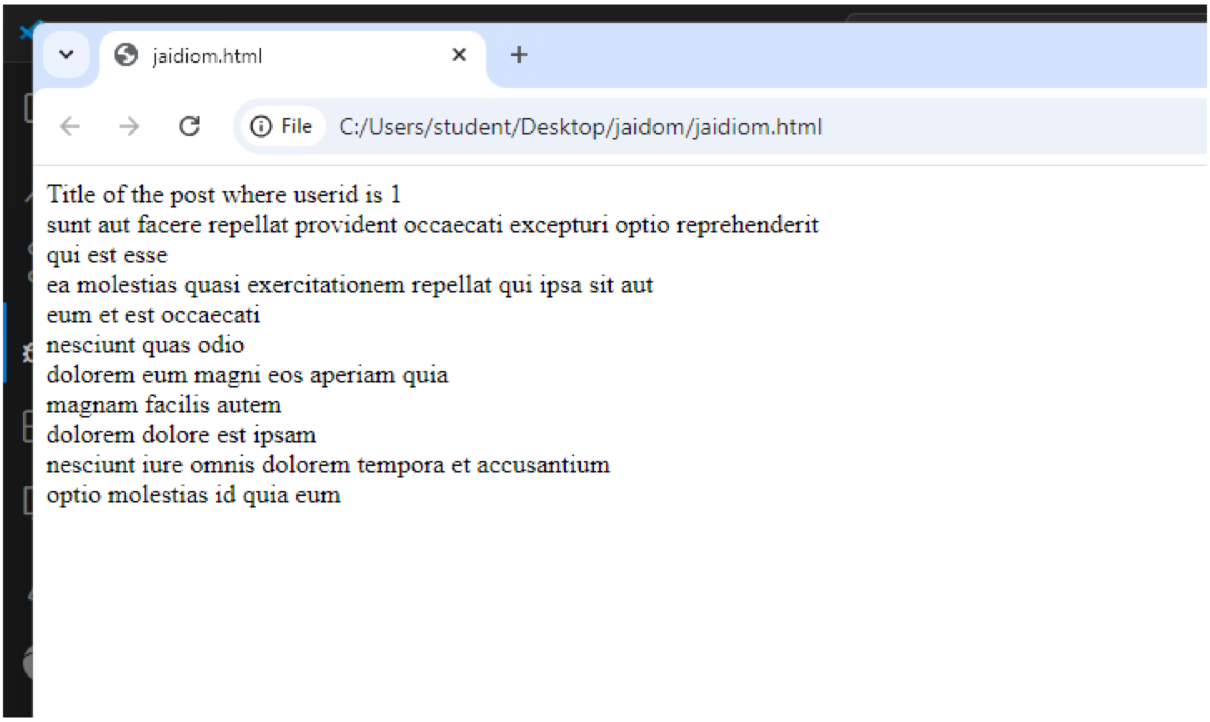
TASK 2



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
  <h1>
    <b>FETCH FROM API AND PROCESS IT</b>
  </h1>
  <SCRIPT>
    function myfunction(){
        fetch('https://jsonplaceholder.typicode.com/posts').then(
            response=>{
```

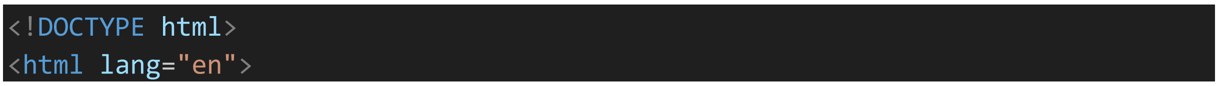


```
                if(!response.ok){
                    document.writeln("Unable to fetch");
                }
                return response.json();
            }

        ).then((response)=>{
            const filteruid=response.filter(post=>post.userId===1);
        const filtertitle=filteruid.map(post=>post.title);
        document.writeln("Title of the post where userid is 1");
        document.writeln("<br>")
       filtertitle.forEach((res)=>{
        document.writeln(res);
        document.writeln("<br>");
       })

        })

    }
    myfunction();
  </SCRIPT>
</body>
</html>
```

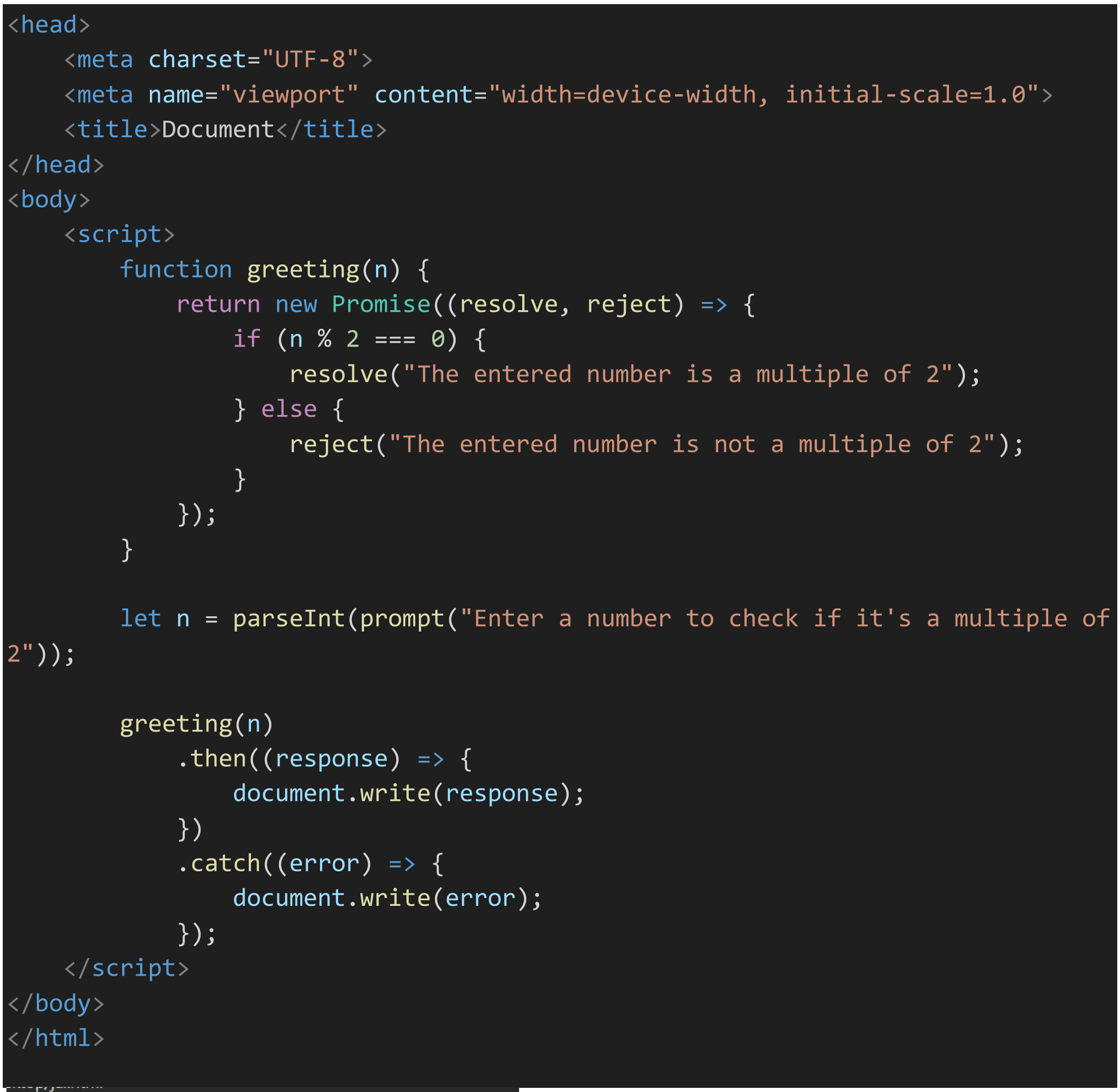


```
Title of the post where userid is 1
sunt aut facere repellat provident occaecati excepturi optio reprehenderit
qui est esse
ea molestias quasi exercitationem repellat qui ipsa sit aut
eum et est occaecati
nesciunt quas odio
dolorem eum magni eos aperiam quia
magnam facilis autem
dolorem dolore est ipsam
nesciunt iure omnis dolorem tempora et accusantium
optio molestias id quia eum
```

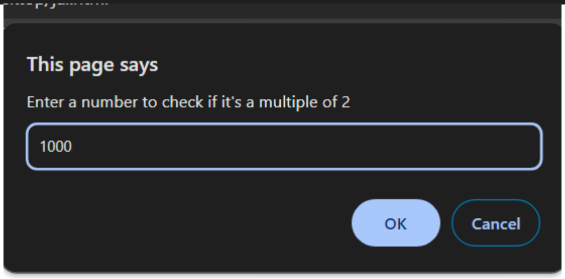
TASK 3



```
<!DOCTYPE html>
<html lang="en">
```



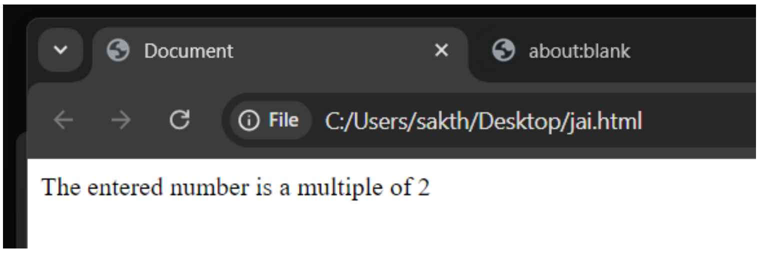
```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        function greeting(n) {
            return new Promise((resolve, reject) => {
                if (n % 2 === 0) {
                    resolve("The entered number is a multiple of 2");
                } else {
                    reject("The entered number is not a multiple of 2");
                }
            });
        }

        let n = parseInt(prompt("Enter a number to check if it's a multiple of 2"));

        greeting(n)
            .then((response) => {
                document.write(response);
            })
            .catch((error) => {
                document.write(error);
            });
    </script>
</body>
</html>
```



This page says

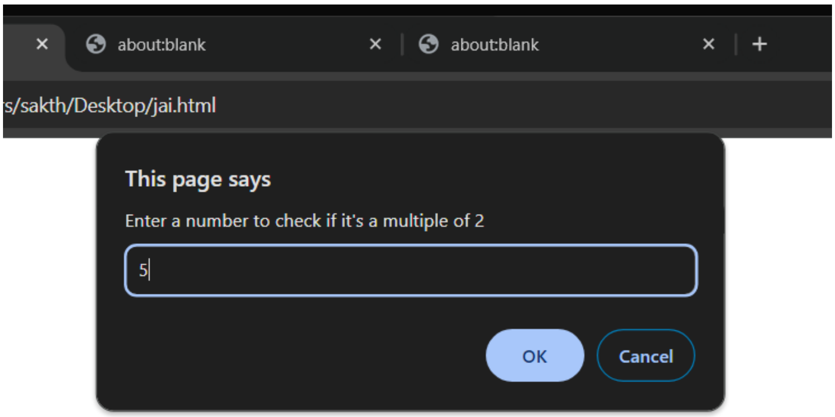
Enter a number to check if it's a multiple of 2

1000



C:/Users/sakth/Desktop/jai.html

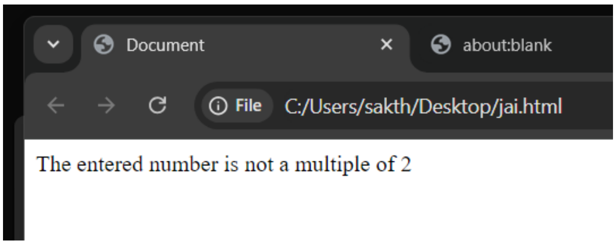
The entered number is a multiple of 2



This page says

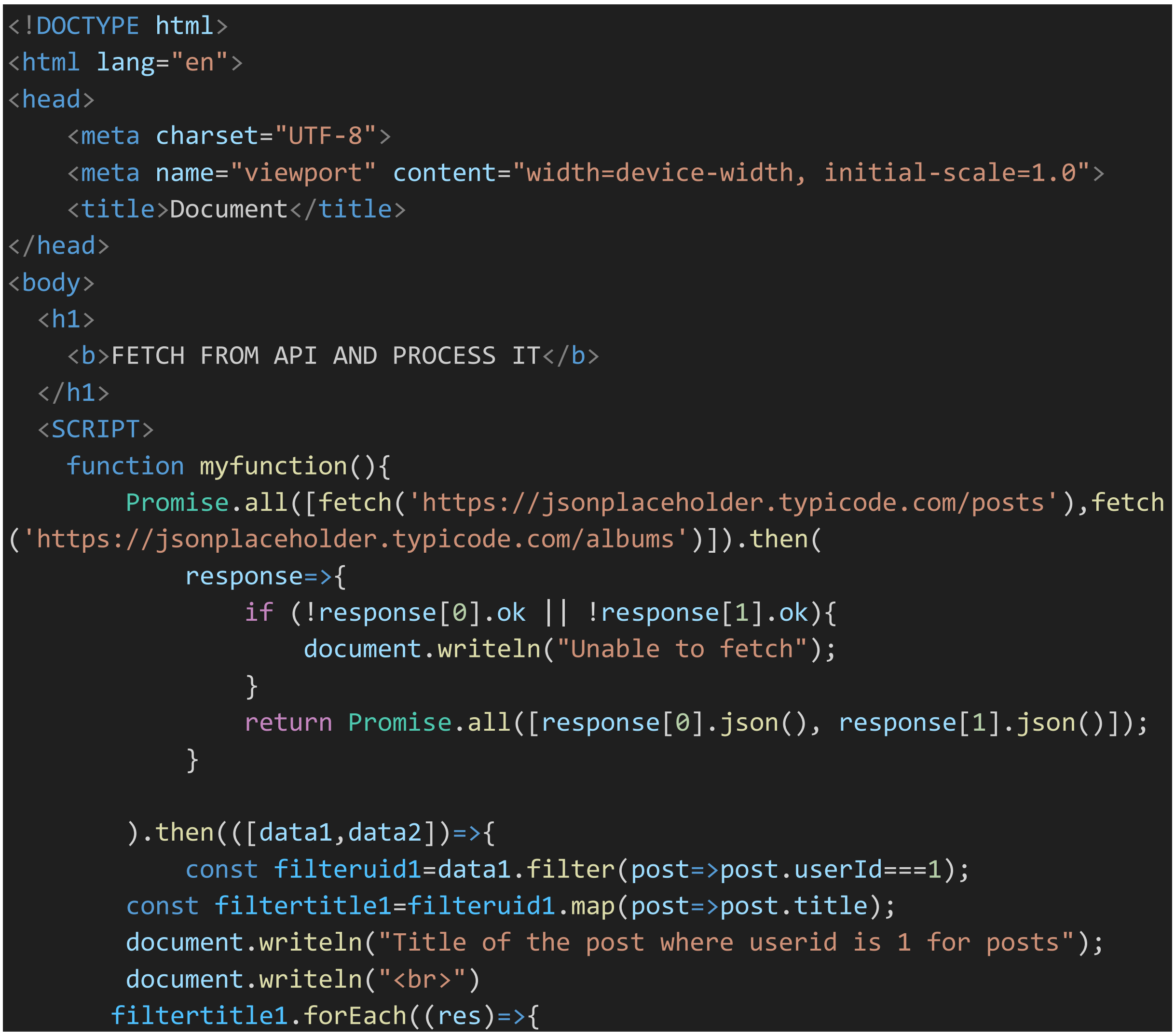
Enter a number to check if it's a multiple of 2

5

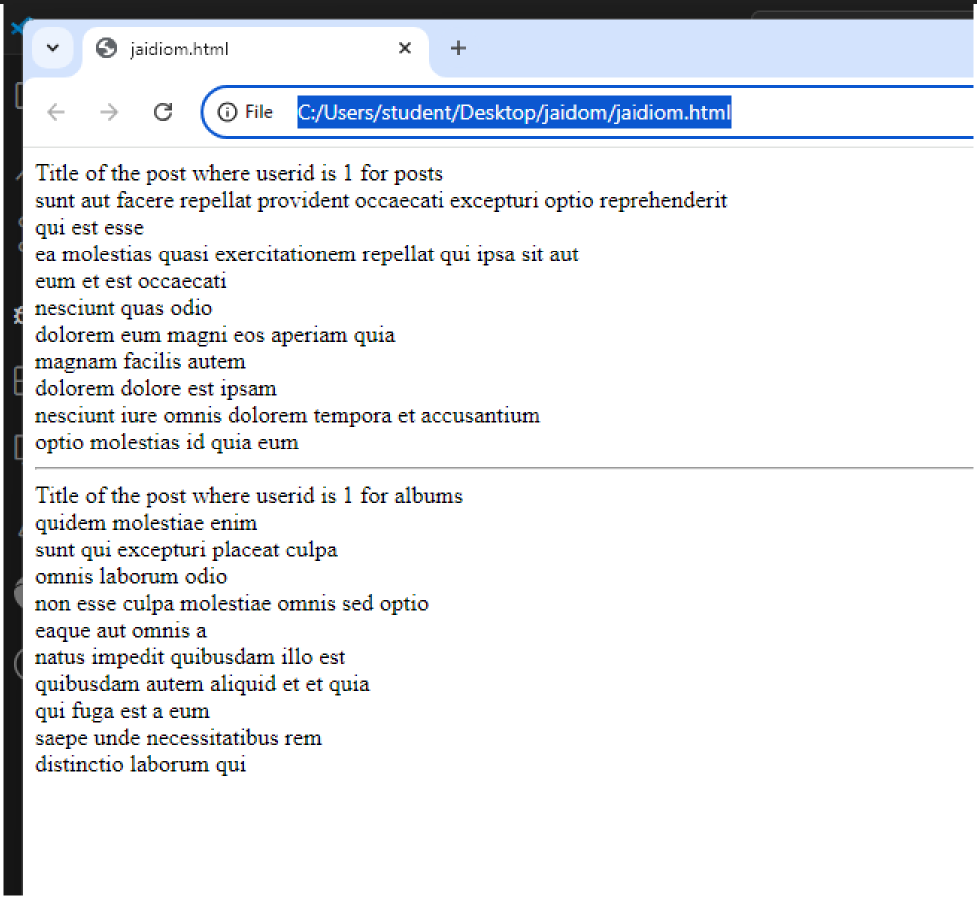


The entered number is not a multiple of 2

TASK 4



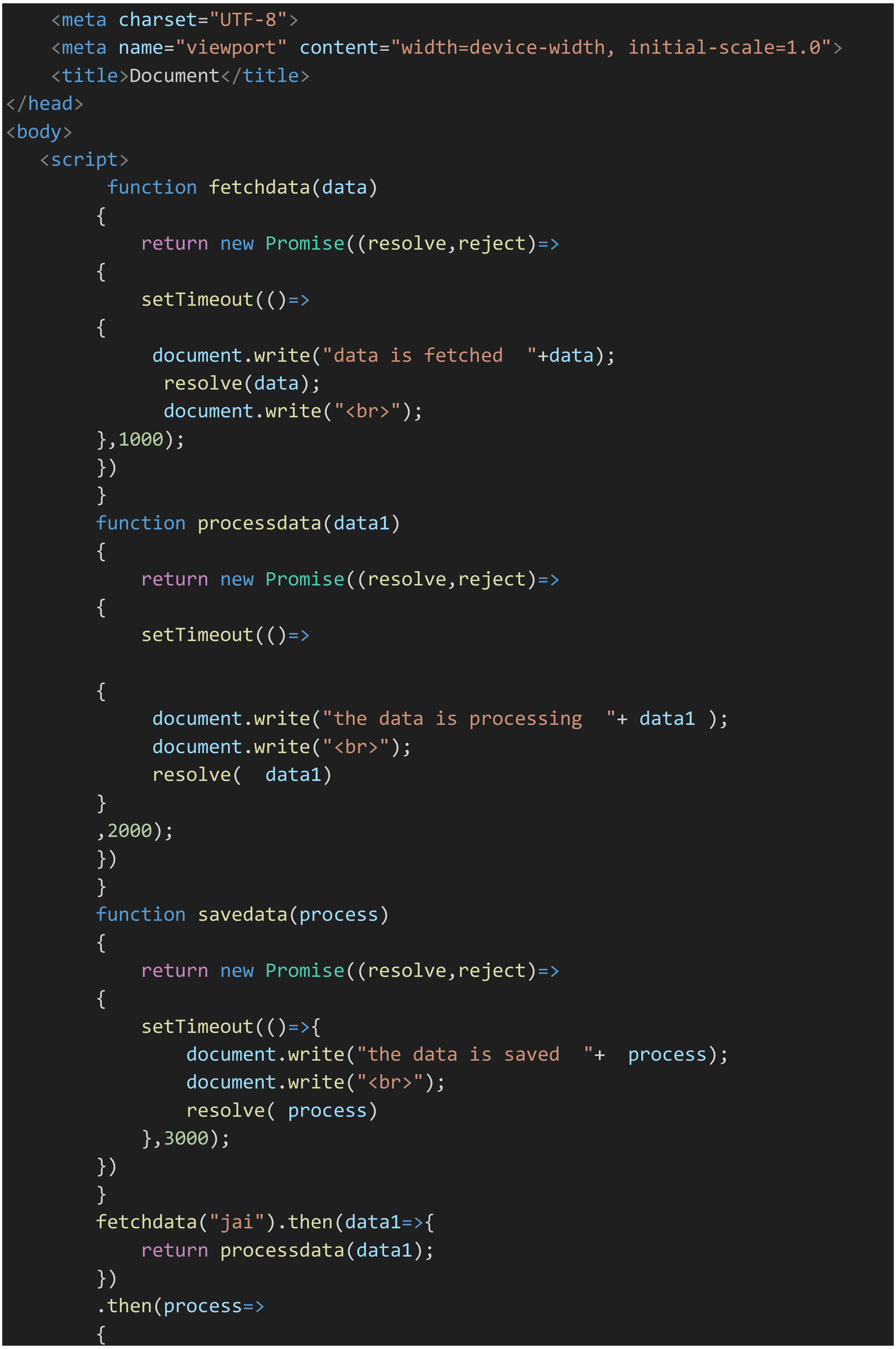
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
  <h1>
    <b>FETCH FROM API AND PROCESS IT</b>
  </h1>
  <SCRIPT>
    function myfunction(){
        Promise.all([fetch('https://jsonplaceholder.typicode.com/posts'),fetch
('https://jsonplaceholder.typicode.com/albums')]).then(
            response=>{
                if (!response[0].ok || !response[1].ok){
                    document.writeln("Unable to fetch");
                }
                return Promise.all([response[0].json(), response[1].json()]);
            }

        ).then(([data1,data2])=>{
            const filteruid1=data1.filter(post=>post.userId===1);
        const filtertitle1=filteruid1.map(post=>post.title);
        document.writeln("Title of the post where userid is 1 for posts");
        document.writeln("<br>")
       filtertitle1.forEach((res)=>{
        document.writeln(res);
        document.writeln("<br>");
       })
       document.writeln("<hr/>")
       const filteruid2=data2.filter(album=>album.userId===1);
        const filtertitle2=filteruid2.map(album=>album.title);
        document.writeln("Title of the post where userid is 1 for albums");
        document.writeln("<br>")
       filtertitle2.forEach((res)=>{
        document.writeln(res);
        document.writeln("<br>");
       })
        })

    }
    myfunction();
  </SCRIPT>
</body>
</html>
```



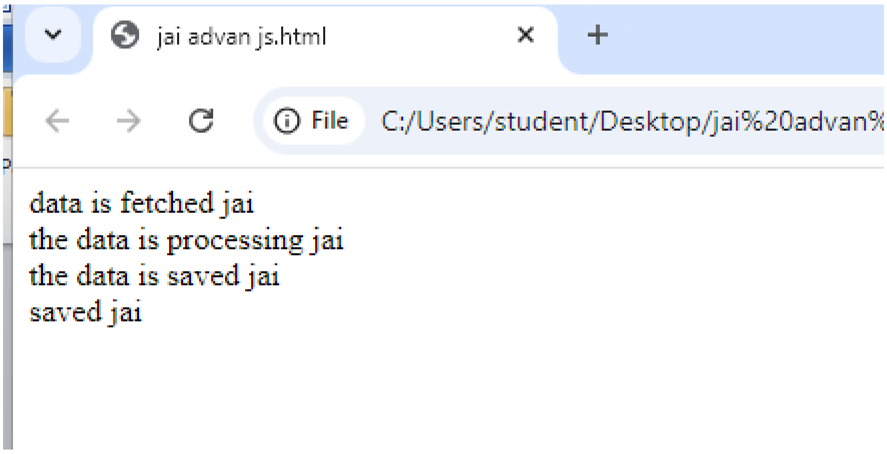
```
Title of the post where userid is 1 for posts
sunt aut facere repellat provident occaecati excepturi optio reprehenderit
qui est esse
ea molestias quasi exercitationem repellat qui ipsa sit aut
eum et est occaecati
nesciunt quas odio
dolorem eum magni eos aperiam quia
magnam facilis autem
dolorem dolore est ipsam
nesciunt iure omnis dolorem tempora et accusantium
optio molestias id quia eum
________________________________________________________________
Title of the post where userid is 1 for albums
quidem molestiae enim
sunt qui excepturi placeat culpa
omnis laborum odio
non esse culpa molestiae omnis sed optio
eaque aut omnis a
natus impedit quibusdam illo est
quibusdam autem aliquid et et quia
qui fuga est a eum
saepe unde necessitatibus rem
distinctio laborum qui
```

TASK 5

```
<!DOCTYPE html>
<html lang="en">
<head>
```



```
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <script>
         function fetchdata(data)
        {
            return new Promise((resolve,reject)=>
        {
            setTimeout(()=>
        {
             document.write("data is fetched  "+data);
              resolve(data);
              document.write("<br>");
        },1000);
        })
        }
        function processdata(data1)
        {
            return new Promise((resolve,reject)=>
        {
            setTimeout(()=>

        {
             document.write("the data is processing  "+ data1 );
             document.write("<br>");
             resolve(  data1)
        }
        ,2000);
        })
        }
        function savedata(process)
        {
            return new Promise((resolve,reject)=>
        {
            setTimeout(()=>{
                document.write("the data is saved  "+  process);
                document.write("<br>");
                resolve( process)
            },3000);
        })
        }
        fetchdata("jai").then(data1=>{
            return processdata(data1);
        })
        .then(process=>
        {
            return savedata(process);
        }
        )
        .then(save=>{
            document.write("saved " +save);
        })
        .catch(error=>
        {
            document.write("error "+error);
        }
        )
   </script>
</body>
</html>
```

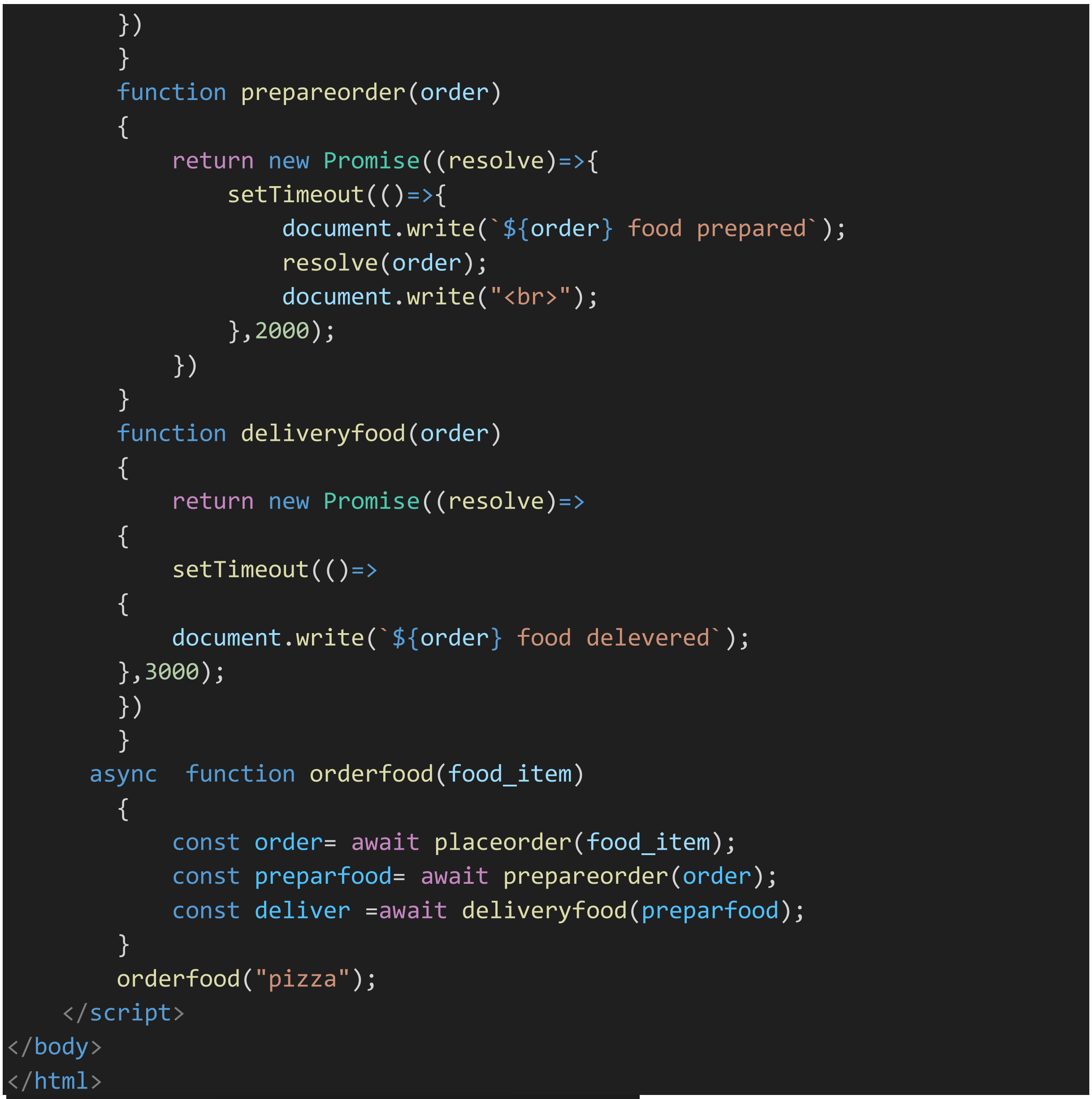


```
data is fetched jai
the data is processing jai
the data is saved jai
saved jai
```

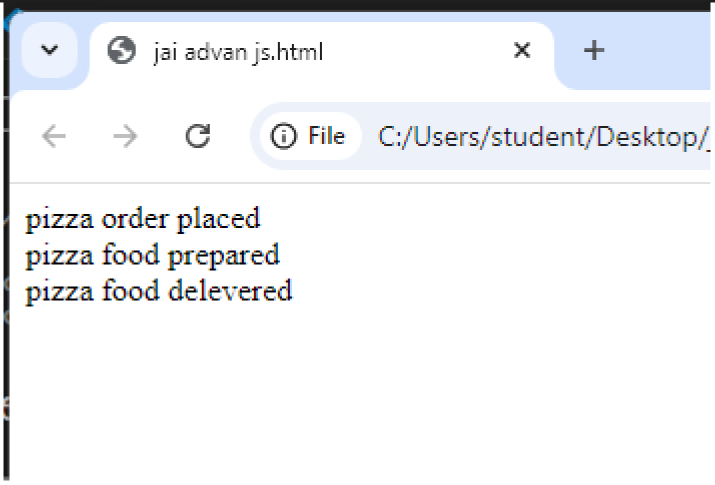
ASYNC FUNCTION

TASK 1

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        function placeorder(order)
        {
            return new Promise((resolve)=>
        {
            setTimeout(()=>{
                document.write(`${order} order placed`);
                document.write("<br>");
                resolve(order);
            },1000);
```

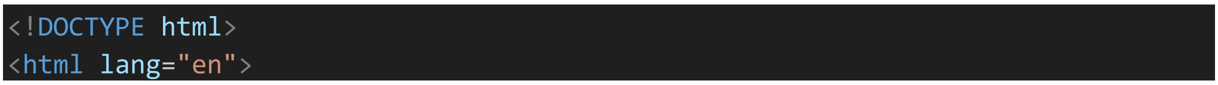


```
    })
    }
    function prepareorder(order)
    {
        return new Promise((resolve)=>{
            setTimeout(()=>{
                document.write(`${order} food prepared`);
                resolve(order);
                document.write("<br>");
            },2000);
        })
    }
    function deliveryfood(order)
    {
        return new Promise((resolve)=>
    {
        setTimeout(()=>
    {
        document.write(`${order} food delevered`);
    },3000);
    })
    }
   async  function orderfood(food_item)
    {
        const order= await placeorder(food_item);
        const preparfood= await prepareorder(order);
        const deliver =await deliveryfood(preparfood);
    }
    orderfood("pizza");
  </script>
</body>
</html>
```



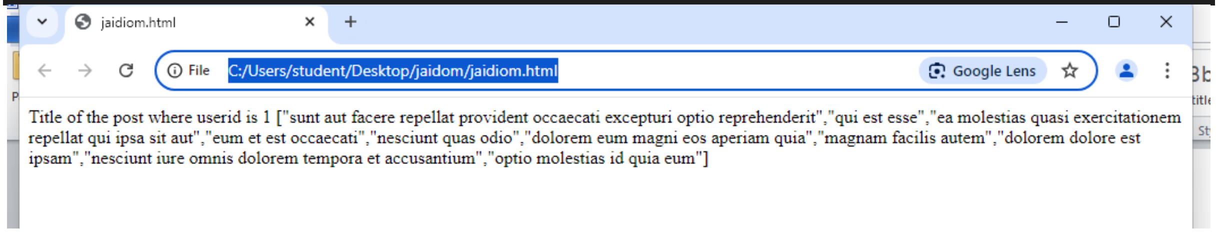
```
pizza order placed
pizza food prepared
pizza food delevered
```

TASK 2



```
<!DOCTYPE html>
<html lang="en">
```

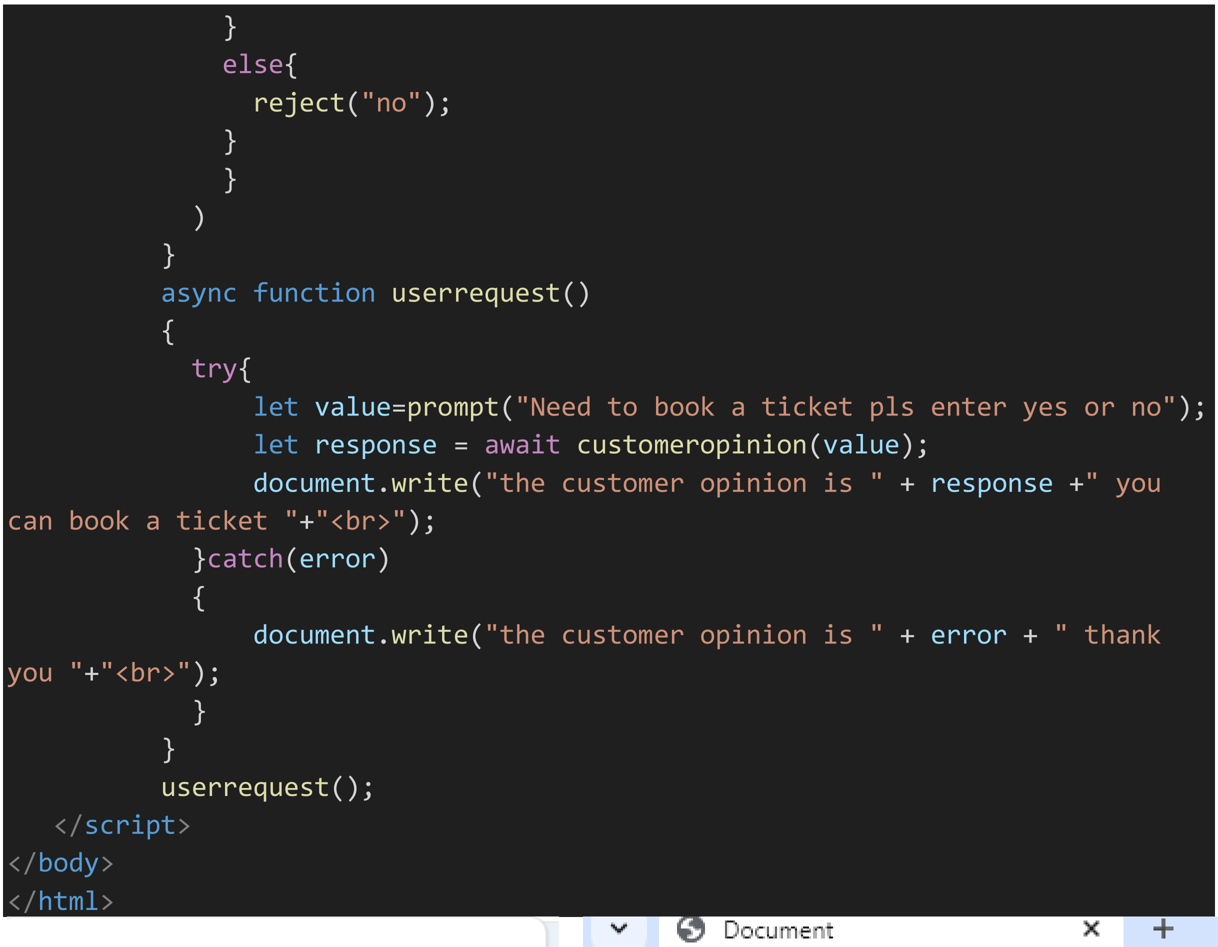
```
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
       async function fetchfromAPI(){
        const response=await
fetch('https://jsonplaceholder.typicode.com/posts');
        const data= await response.json();
        const filteruid=data.filter(post=>post.userId===1);
        const filtertitle=filteruid.map(post=>post.title);

        document.writeln("Title of the post where userid is 1");

        document.writeln(JSON.stringify(filtertitle));
       }
        fetchfromAPI();
    </script>
</body>
</html>
```



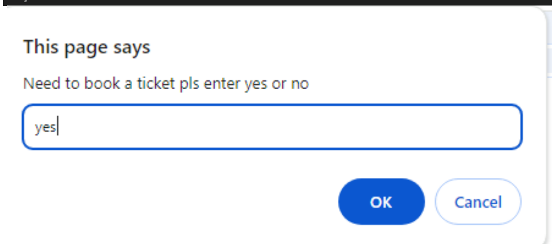
```
Title of the post where userid is 1 ["sunt aut facere repellat provident occaecati excepturi optio reprehenderit","qui est esse","ea molestias quasi exercitationem repellat qui ipsa sit aut","eum et est occaecati","nesciunt quas odio","dolorem eum magni eos aperiam quia","magnam facilis autem","dolorem dolore est ipsam","nesciunt iure omnis dolorem tempora et accusantium","optio molestias id quia eum"]
```

TASK 3

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <script>
          function customeropinion(value)
          {
              return new Promise((resolve,reject)=>
              {
                if(value==="yes")
              {

                resolve("yes");
```



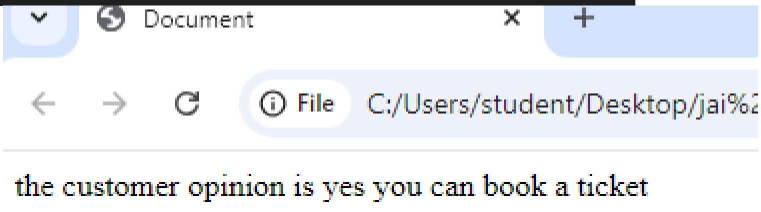
```
       }
       else{
        reject("no");
       }
       }
      )
     }
     async function userrequest()
     {
      try{
        let value=prompt("Need to book a ticket pls enter yes or no");
        let response = await customeropinion(value);
        document.write("the customer opinion is " + response +" you
can book a ticket "+"<br>");
      }catch(error)
      {
        document.write("the customer opinion is " + error + " thank
you "+"<br>");
      }
     }
     userrequest();
  </script>
</body>
</html>
```



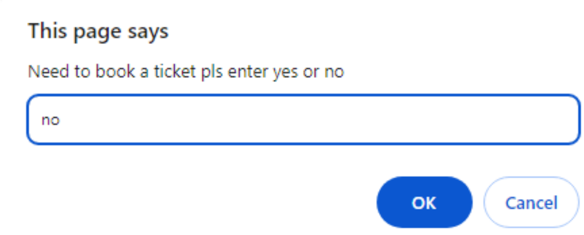
This page says

Need to book a ticket pls enter yes or no

yes



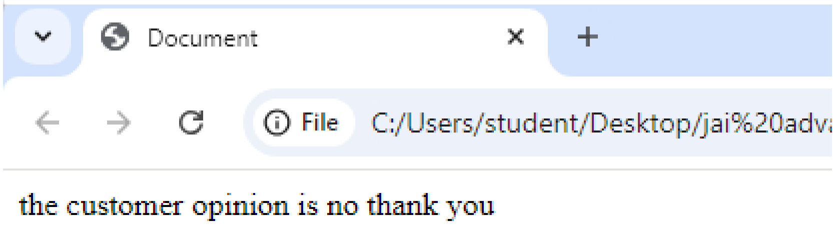
the customer opinion is yes you can book a ticket



This page says

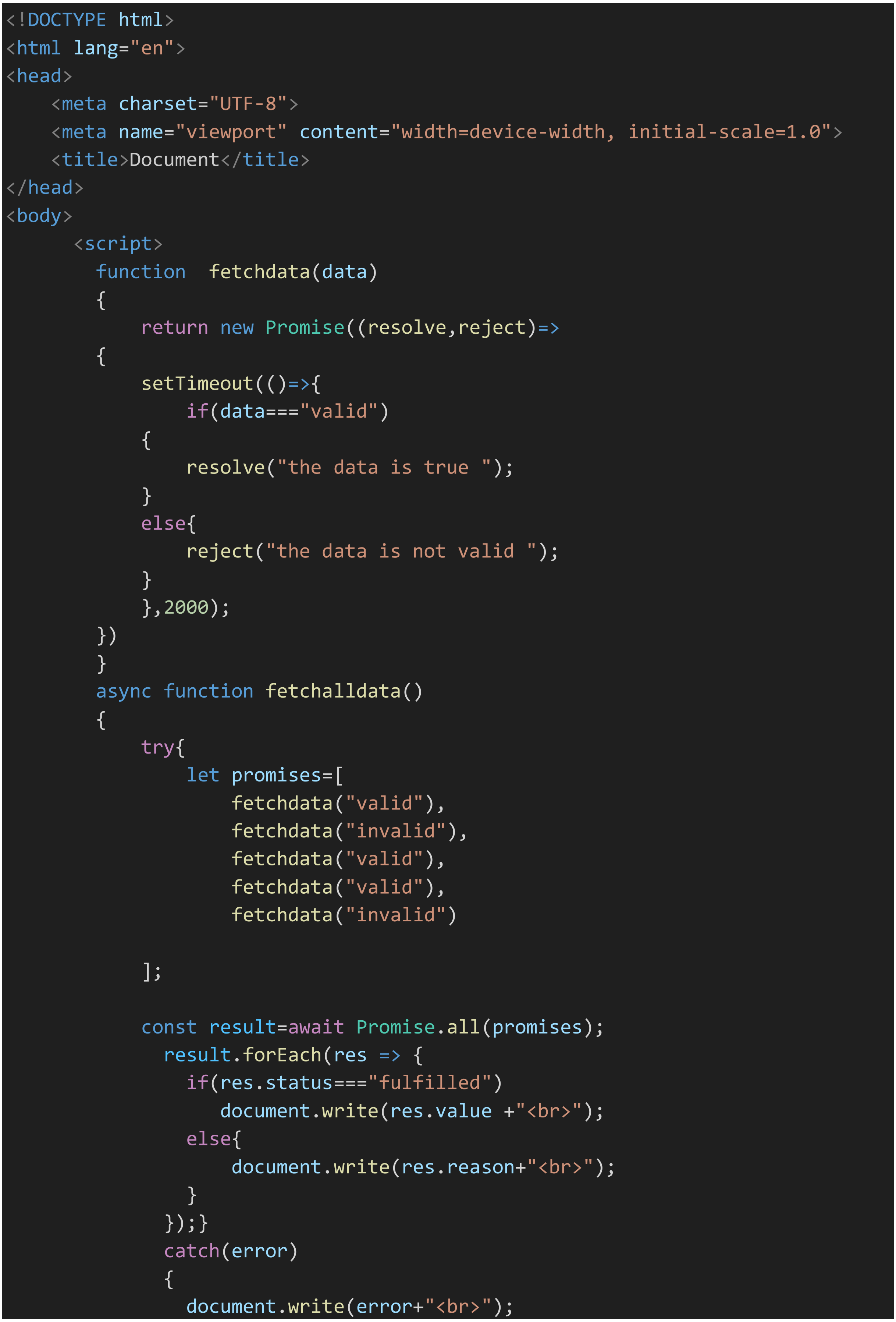
Need to book a ticket pls enter yes or no

no

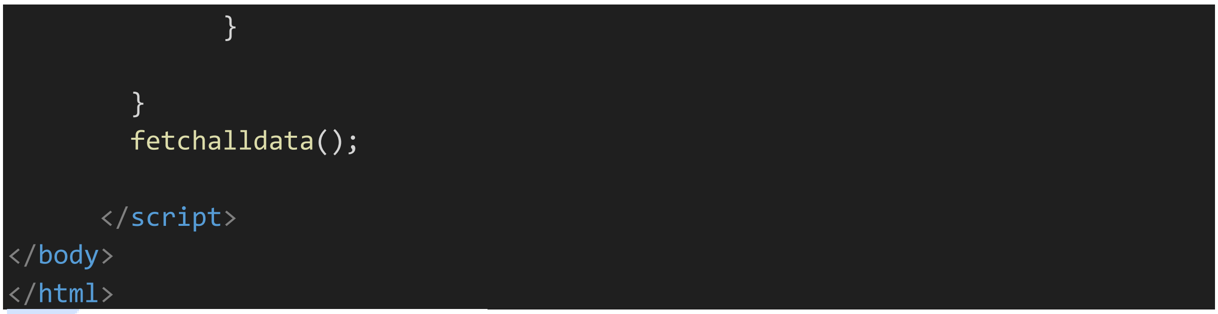


the customer opinion is no thank you

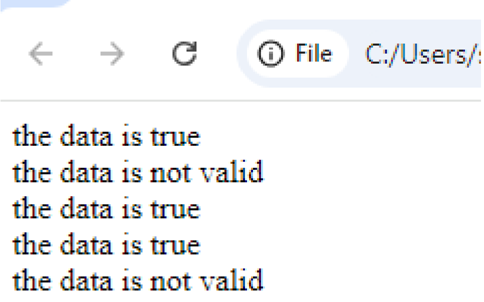
TASK 4



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
      <script>
        function  fetchdata(data)
        {
            return new Promise((resolve,reject)=>
        {
            setTimeout(()=>{
                if(data==="valid")
            {
                resolve("the data is true ");
            }
            else{
                reject("the data is not valid ");
            }
            },2000);
        })
        }
        async function fetchalldata()
        {
            try{
                let promises=[
                    fetchdata("valid"),
                    fetchdata("invalid"),
                    fetchdata("valid"),
                    fetchdata("valid"),
                    fetchdata("invalid")

            ];

            const result=await Promise.all(promises);
              result.forEach(res => {
                if(res.status==="fulfilled")
                   document.write(res.value +"<br>");
                else{
                    document.write(res.reason+"<br>");
                }
              });}
              catch(error)
              {
                document.write(error+"<br>");
```

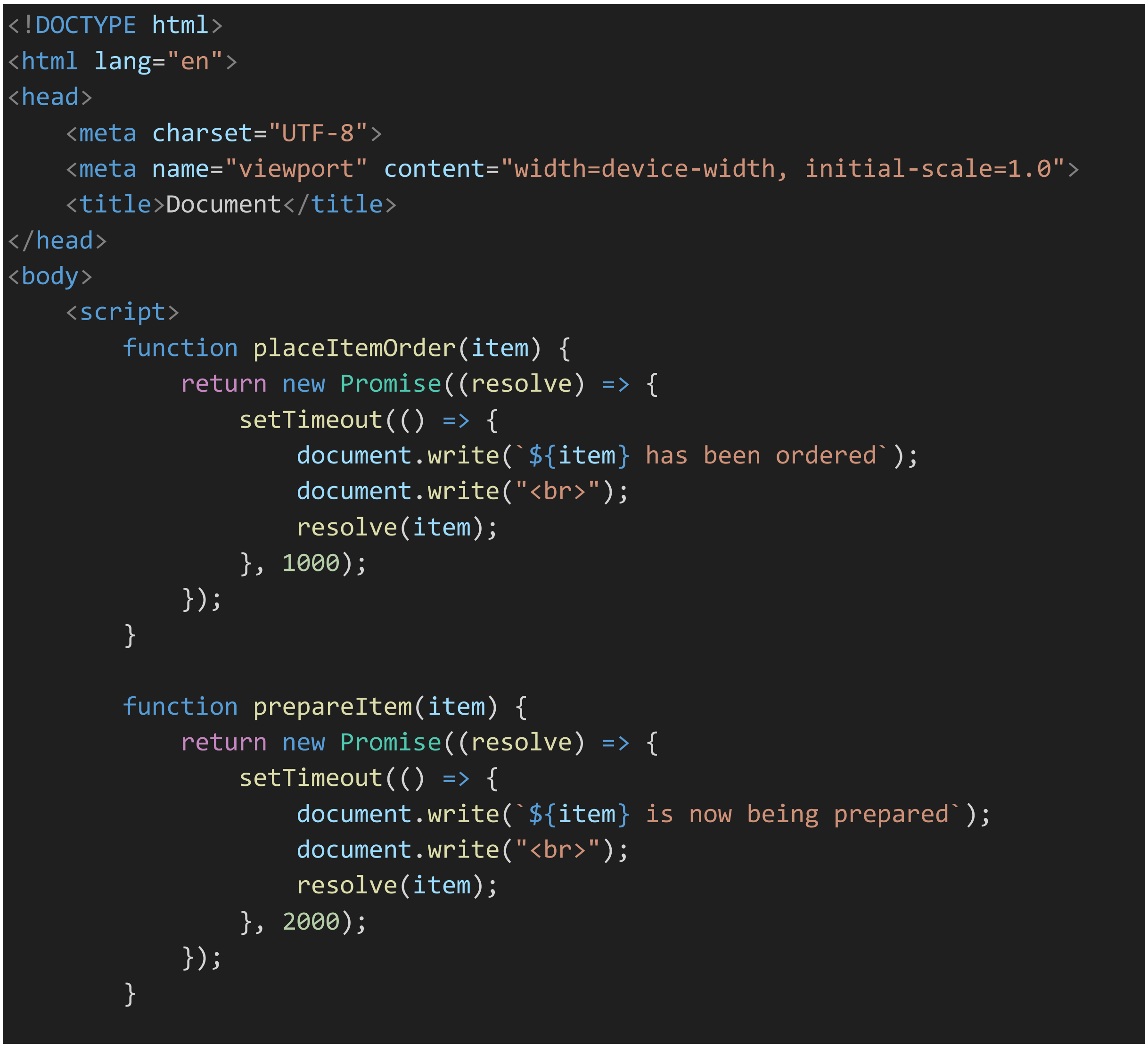


```
              }

        }
        fetchalldata();

      </script>
</body>
</html>
```

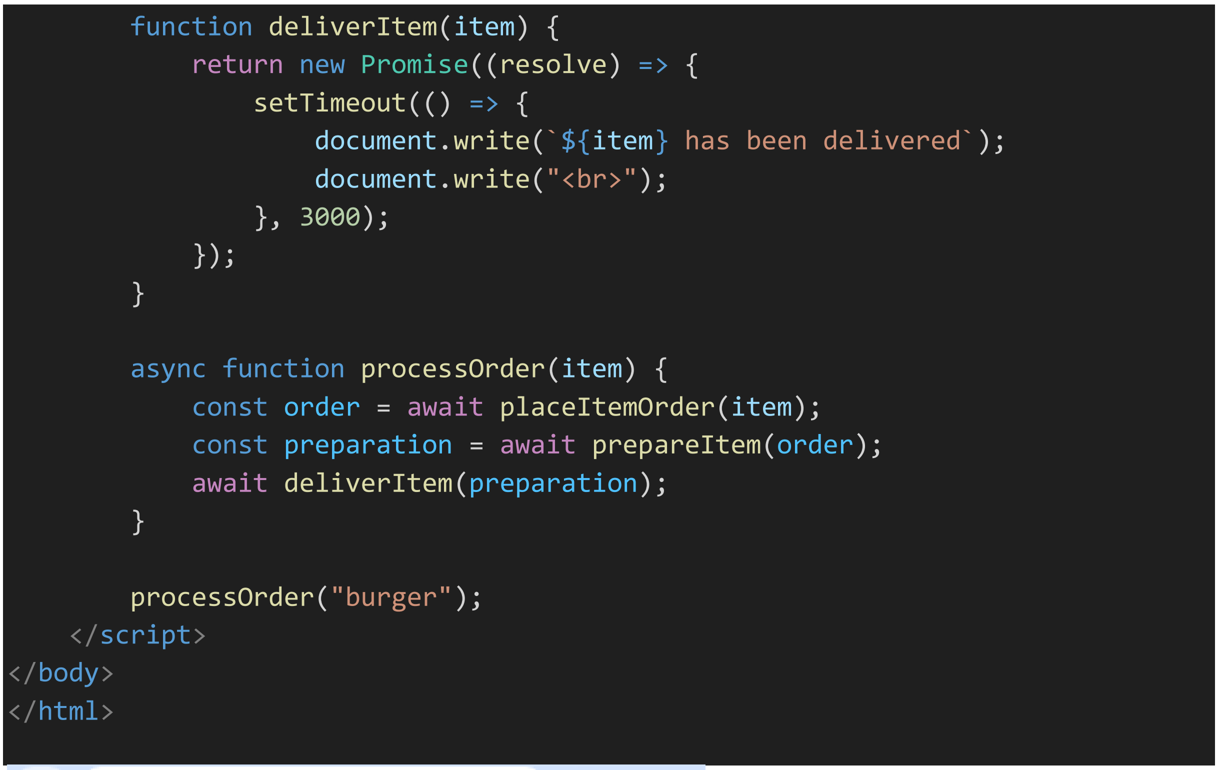


```
the data is true
the data is not valid
the data is true
the data is true
the data is not valid
```

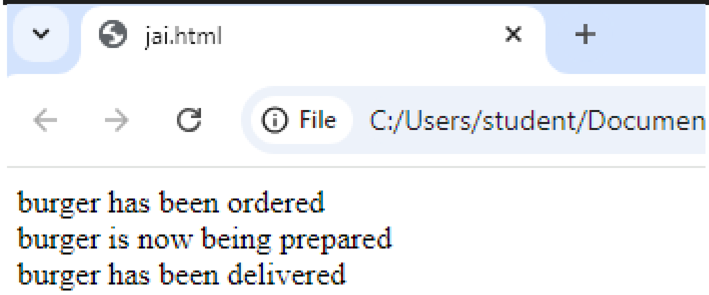
TASK 5



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <script>
        function placeItemOrder(item) {
            return new Promise((resolve) => {
                setTimeout(() => {
                    document.write(`${item} has been ordered`);
                    document.write("<br>");
                    resolve(item);
                }, 1000);
            });
        }

        function prepareItem(item) {
            return new Promise((resolve) => {
                setTimeout(() => {
                    document.write(`${item} is now being prepared`);
                    document.write("<br>");
                    resolve(item);
                }, 2000);
            });
        }
```

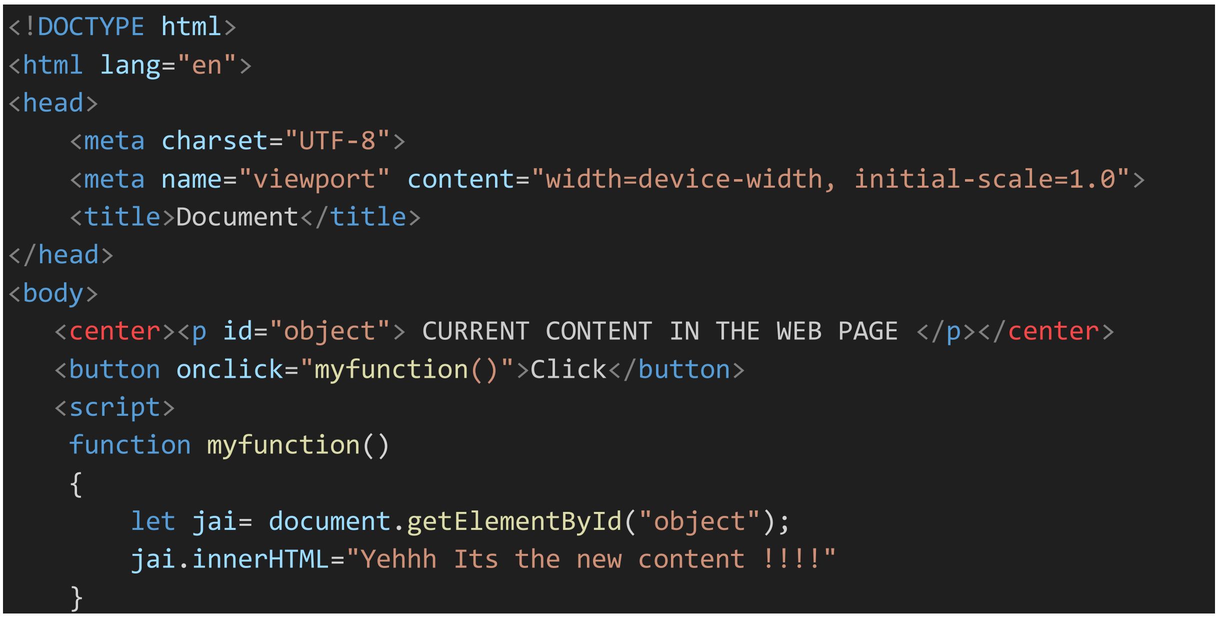


```
        function deliverItem(item) {
            return new Promise((resolve) => {
                setTimeout(() => {
                    document.write(`${item} has been delivered`);
                    document.write("<br>");
                }, 3000);
            });
        }

        async function processOrder(item) {
            const order = await placeItemOrder(item);
            const preparation = await prepareItem(order);
            await deliverItem(preparation);
        }

        processOrder("burger");
    </script>
</body>
</html>
```

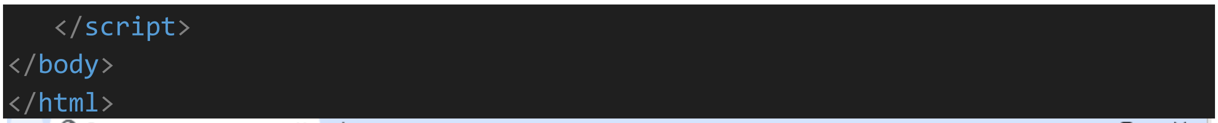


```
burger has been ordered
burger is now being prepared
burger has been delivered
```

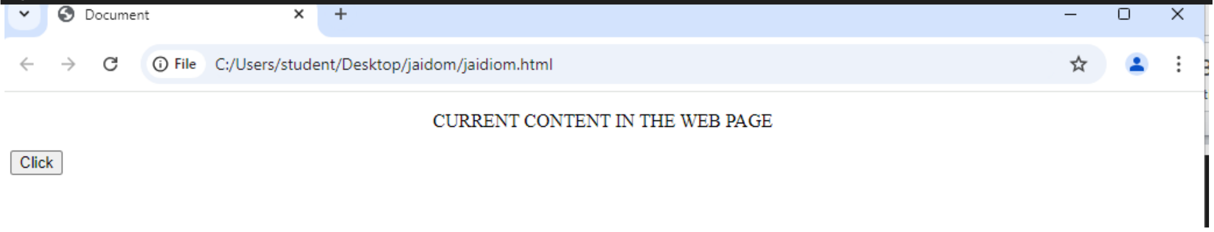
TASK 7.1



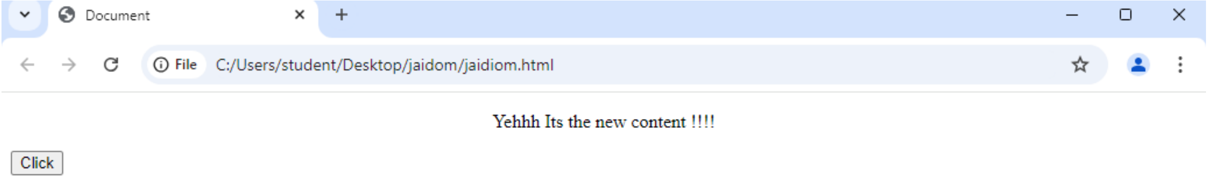
```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <center><p id="object"> CURRENT CONTENT IN THE WEB PAGE </p></center>
   <button onclick="myfunction()">Click</button>
   <script>
    function myfunction()
    {
        let jai= document.getElementById("object");
        jai.innerHTML="Yehhh Its the new content !!!!"
    }
```



```
    </script>
</body>
</html>
```

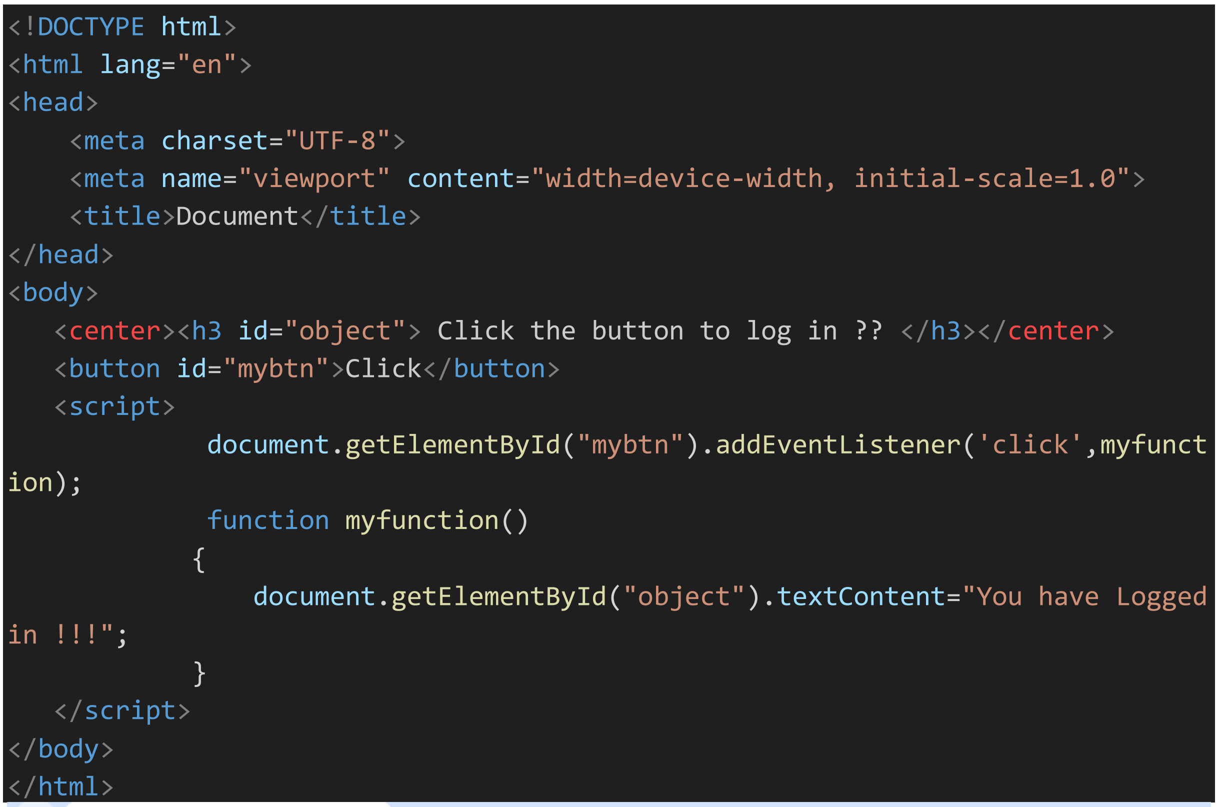


CURRENT CONTENT IN THE WEB PAGE

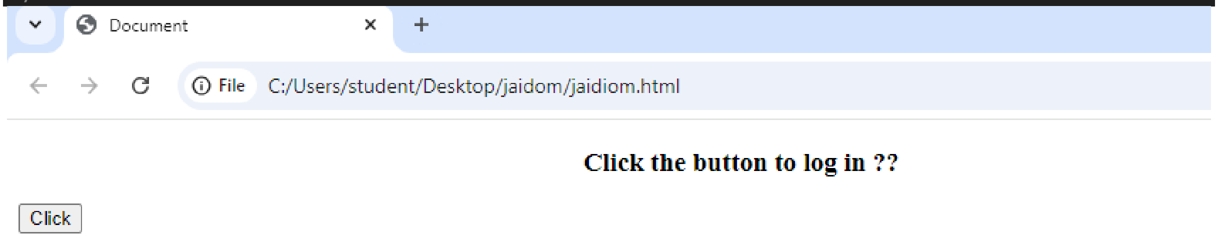


Yehhh Its the new content !!!!

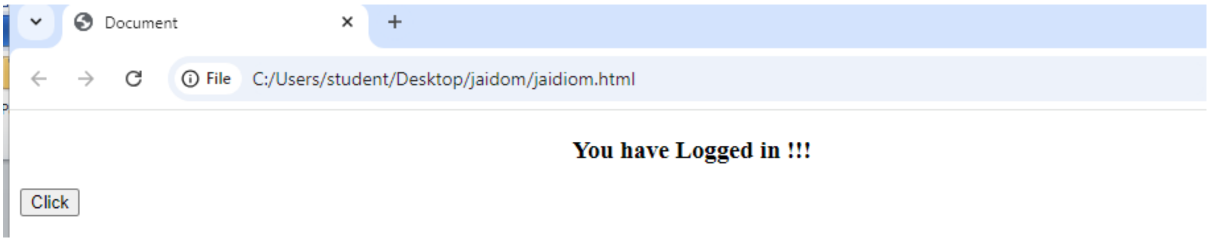
TASK 7.2



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
   <center><h3 id="object"> Click the button to log in ?? </h3></center>
   <button id="mybtn">Click</button>
   <script>
             document.getElementById("mybtn").addEventListener('click',myfunct
ion);
             function myfunction()
            {
                document.getElementById("object").textContent="You have Logged
in !!!";
            }
   </script>
</body>
</html>
```

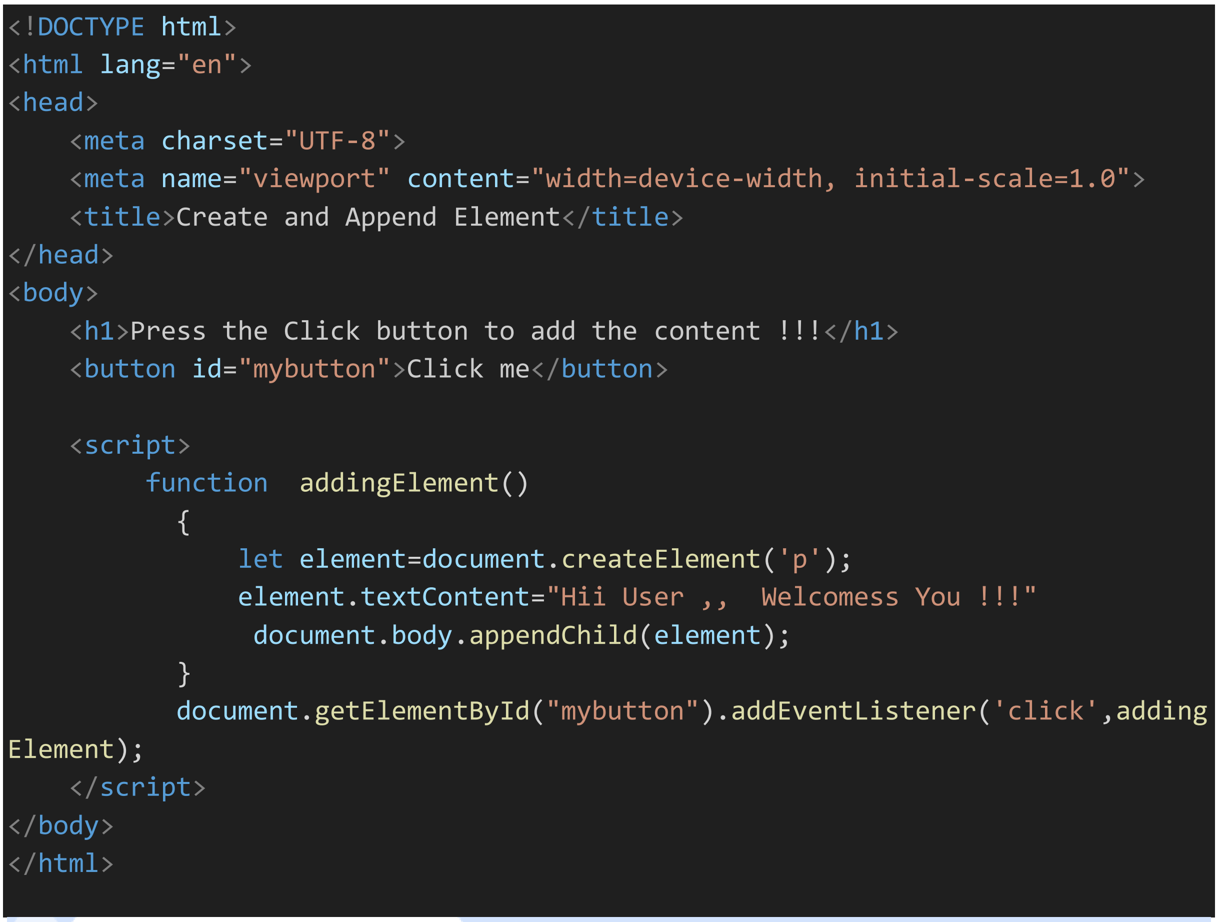


Click the button to log in ??

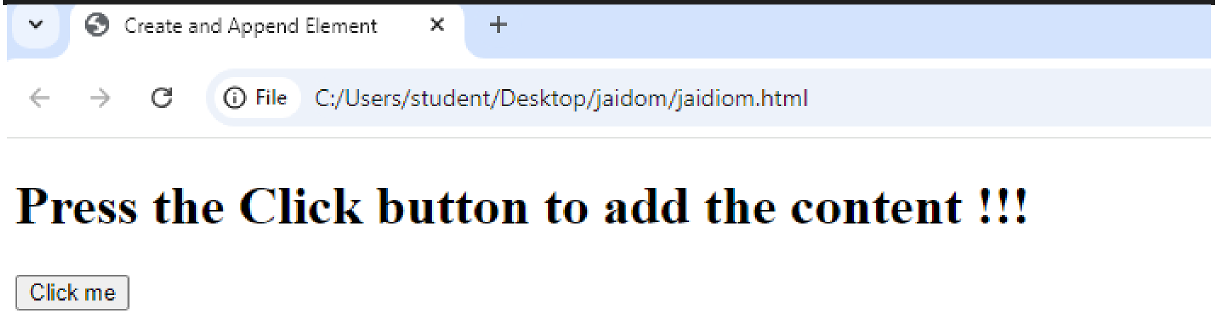


You have Logged in !!!

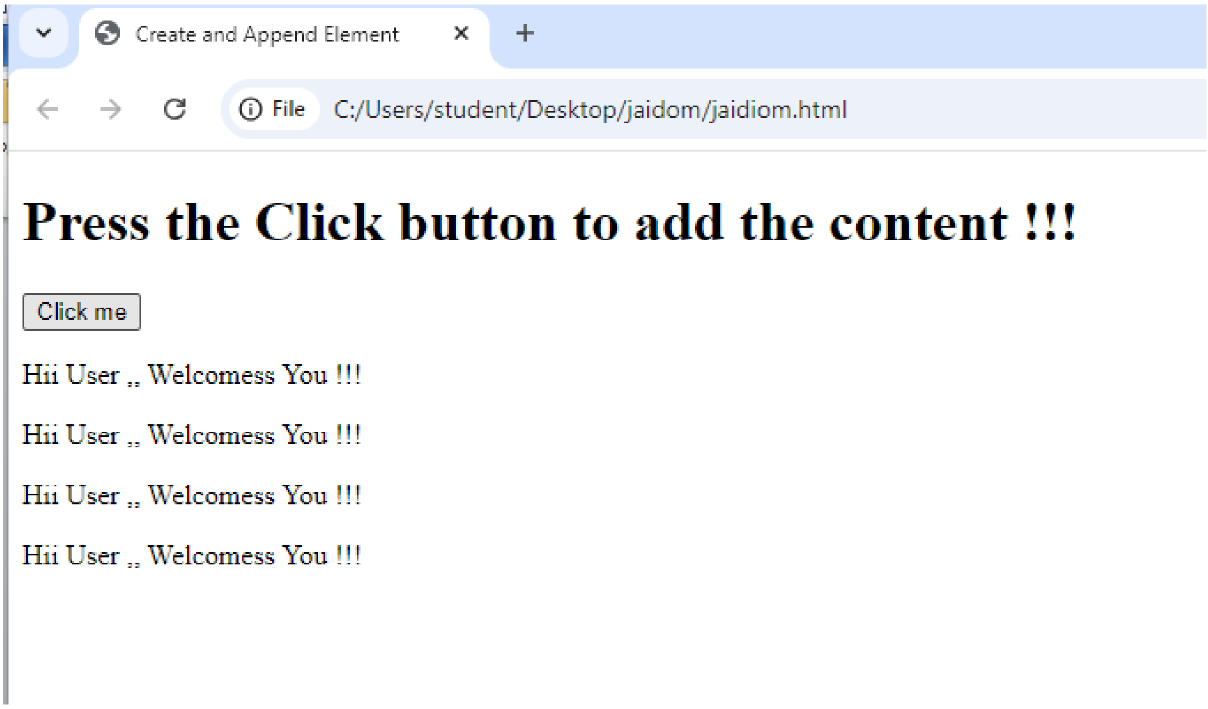
TASK 7.3



```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Create and Append Element</title>
</head>
<body>
    <h1>Press the Click button to add the content !!!</h1>
    <button id="mybutton">Click me</button>

    <script>
         function  addingElement()
           {
               let element=document.createElement('p');
               element.textContent="Hii User ,,  Welcomess You !!!"
                document.body.appendChild(element);
           }
           document.getElementById("mybutton").addEventListener('click',adding
Element);
    </script>
</body>
</html>
```


Create and Append Element
File
C:/Users/student/Desktop/jaidom/jaidiom.html

Press the Click button to add the content !!!


Create and Append Element
File
C:/Users/student/Desktop/jaidom/jaidiom.html

Press the Click button to add the content !!!

Click me

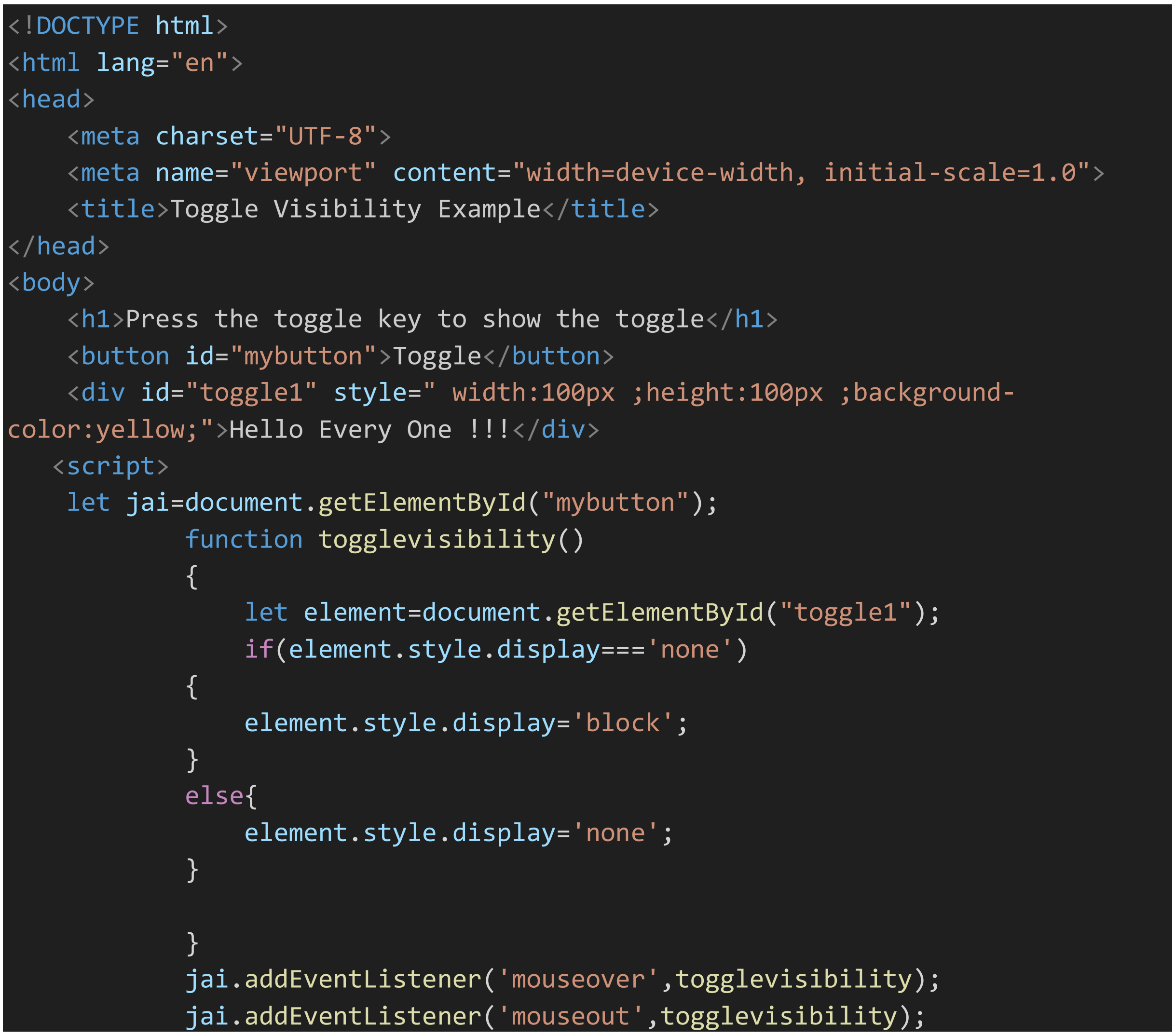
Hii User ,, Welcomess You !!!

Hii User ,, Welcomess You !!!

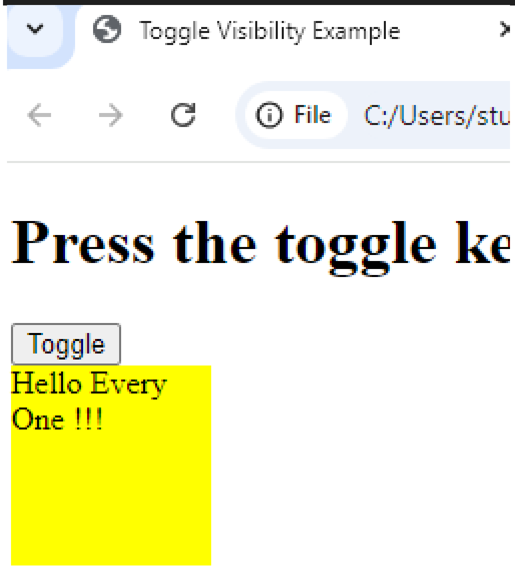
Hii User ,, Welcomess You !!!

Hii User ,, Welcomess You !!!

TASK 7.4

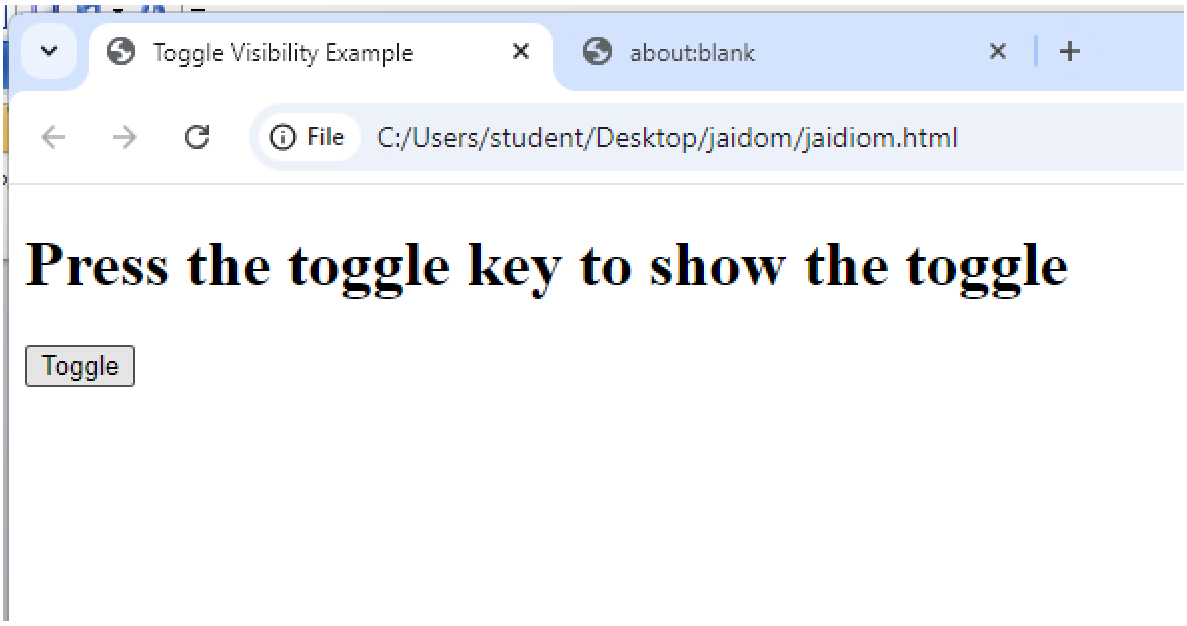


```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Toggle Visibility Example</title>
</head>
<body>
    <h1>Press the toggle key to show the toggle</h1>
    <button id="mybutton">Toggle</button>
    <div id="toggle1" style=" width:100px ;height:100px ;background-
color:yellow;">Hello Every One !!!</div>
   <script>
    let jai=document.getElementById("mybutton");
            function togglevisibility()
            {
                let element=document.getElementById("toggle1");
                if(element.style.display==='none')
            {
                element.style.display='block';
            }
            else{
                element.style.display='none';
            }

            }
            jai.addEventListener('mouseover',togglevisibility);
            jai.addEventListener('mouseout',togglevisibility);
    </script>

</body>
</html>
```



Press the toggle ke

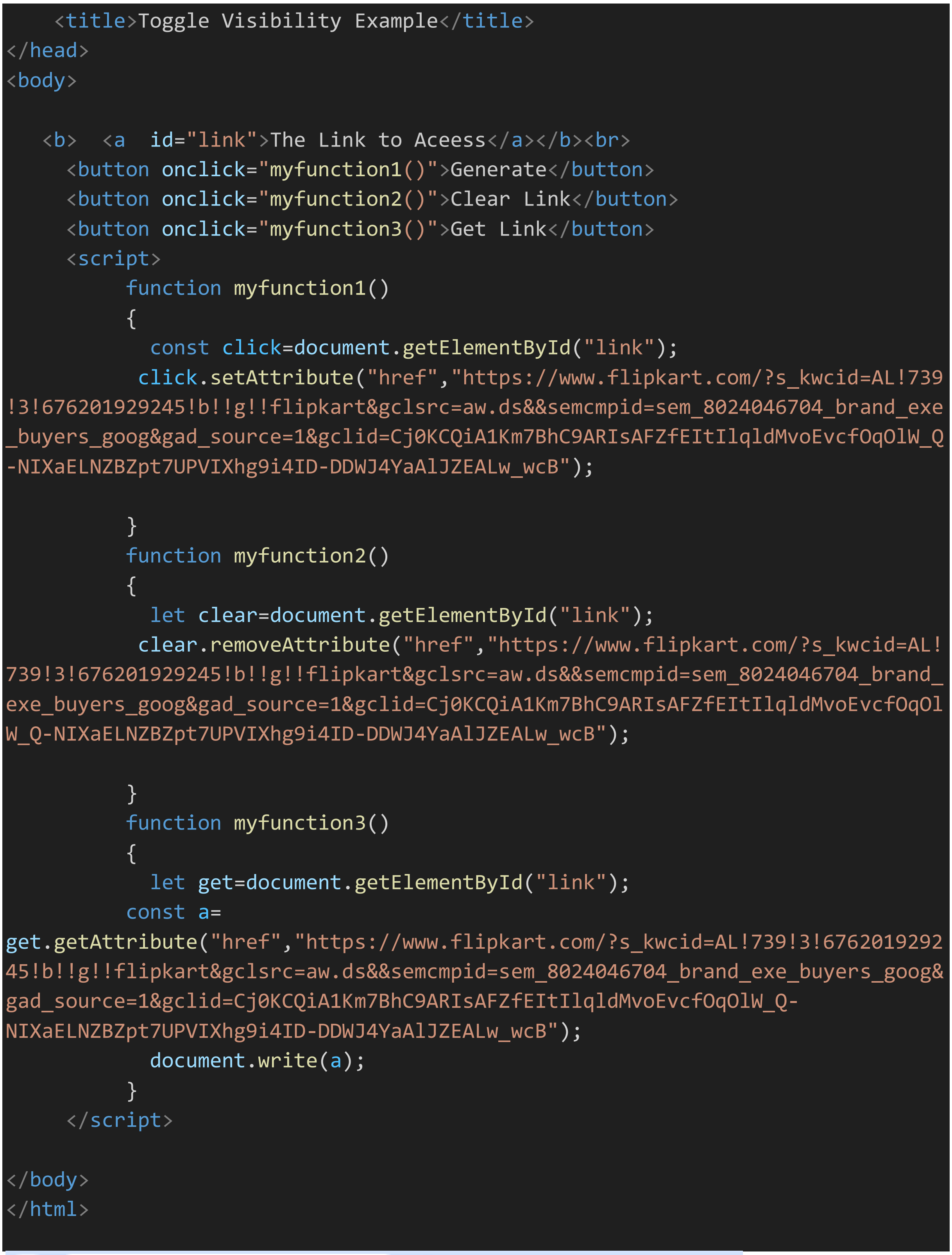
Hello Every One !!!


Toggle Visibility Example
about:blank
File
C:/Users/student/Desktop/jaidom/jaidiom.html
Toggle

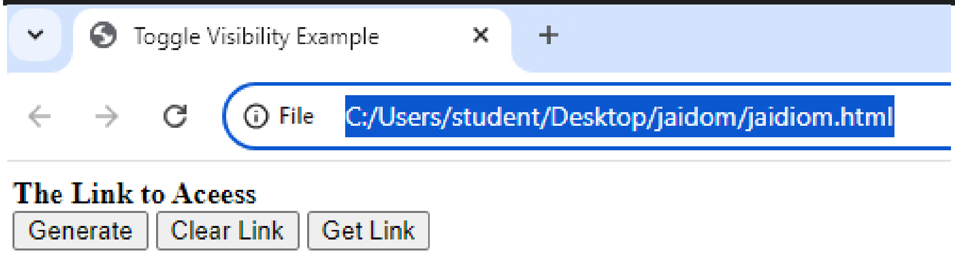
Press the toggle key to show the toggle

TASK 7.5

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
```



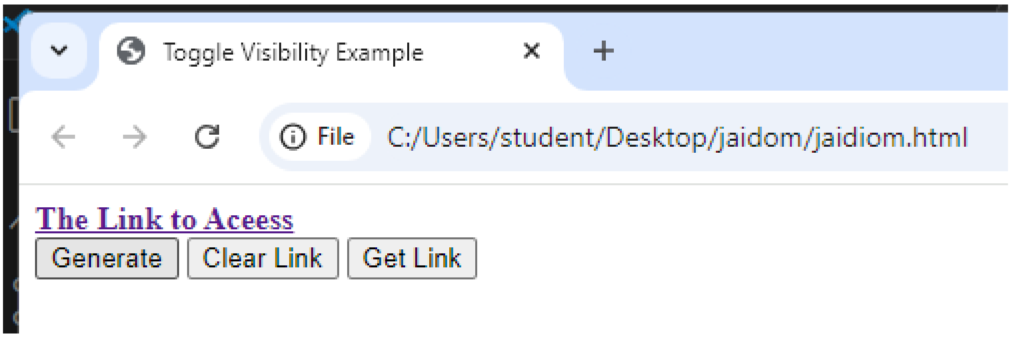
```
    <title>Toggle Visibility Example</title>
</head>
<body>

   <b>  <a  id="link">The Link to Aceess</a></b><br>
     <button onclick="myfunction1()">Generate</button>
     <button onclick="myfunction2()">Clear Link</button>
     <button onclick="myfunction3()">Get Link</button>
     <script>
          function myfunction1()
          {
            const click=document.getElementById("link");
           click.setAttribute("href","https://www.flipkart.com/?s_kwcid=AL!739
!3!676201929245!b!!g!!flipkart&gclsrc=aw.ds&&semcmpid=sem_8024046704_brand_exe
_buyers_goog&gad_source=1&gclid=Cj0KCQiA1Km7BhC9ARIsAFZfEItIlqldMvoEvcfOqOlW_Q
-NIXaELNZBZpt7UPVIXhg9i4ID-DDWJ4YaAlJZEALw_wcB");

          }
          function myfunction2()
          {
            let clear=document.getElementById("link");
           clear.removeAttribute("href","https://www.flipkart.com/?s_kwcid=AL!
739!3!676201929245!b!!g!!flipkart&gclsrc=aw.ds&&semcmpid=sem_8024046704_brand_
exe_buyers_goog&gad_source=1&gclid=Cj0KCQiA1Km7BhC9ARIsAFZfEItIlqldMvoEvcfOqOl
W_Q-NIXaELNZBZpt7UPVIXhg9i4ID-DDWJ4YaAlJZEALw_wcB");

          }
          function myfunction3()
          {
            let get=document.getElementById("link");
          const a=
get.getAttribute("href","https://www.flipkart.com/?s_kwcid=AL!739!3!6762019292
45!b!!g!!flipkart&gclsrc=aw.ds&&semcmpid=sem_8024046704_brand_exe_buyers_goog&
gad_source=1&gclid=Cj0KCQiA1Km7BhC9ARIsAFZfEItIlqldMvoEvcfOqOlW_Q-
NIXaELNZBZpt7UPVIXhg9i4ID-DDWJ4YaAlJZEALw_wcB");
            document.write(a);
          }
     </script>

</body>
</html>
```



Toggle Visibility Example
File
C:/Users/student/Desktop/jaidom/jaidiom.html

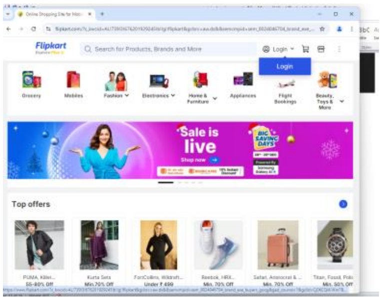
The Link to Aceess

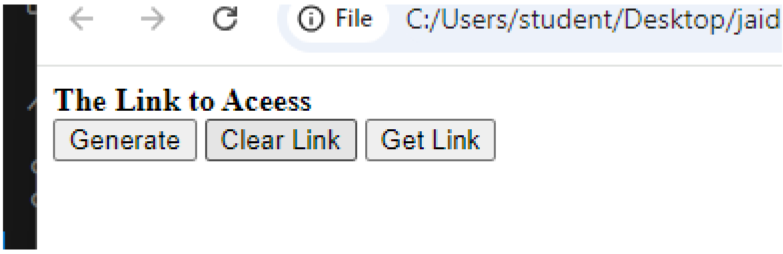
Generate
Clear Link
Get Link


Toggle Visibility Example
File
C:/Users/student/Desktop/jaidom/jaidiom.html

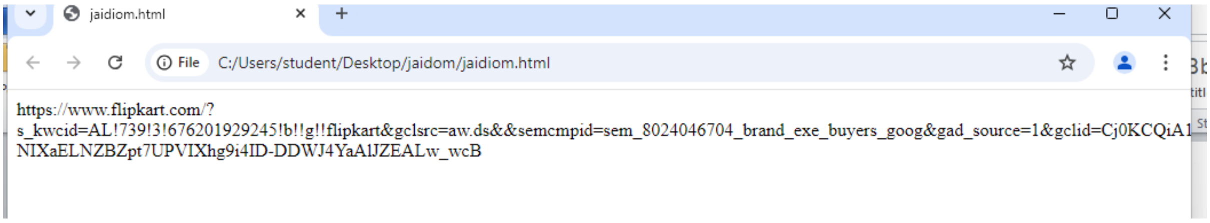
The Link to Aceess

Generate
Clear Link
Get Link





The Link to Aceess



```
https://www.flipkart.com/?
s_kwcid=AL!739!3!676201929245!b!!g!!flipkart&gclsrc=aw.ds&&semcmpid=sem_8024046704_brand_exe_buyers_goog&gad_source=1&gclid=Cj0KCQiA1
NIXaELNZBZpt7UPVIXhg9i4ID-DDWJ4YaAlJZEALw_wcB
```