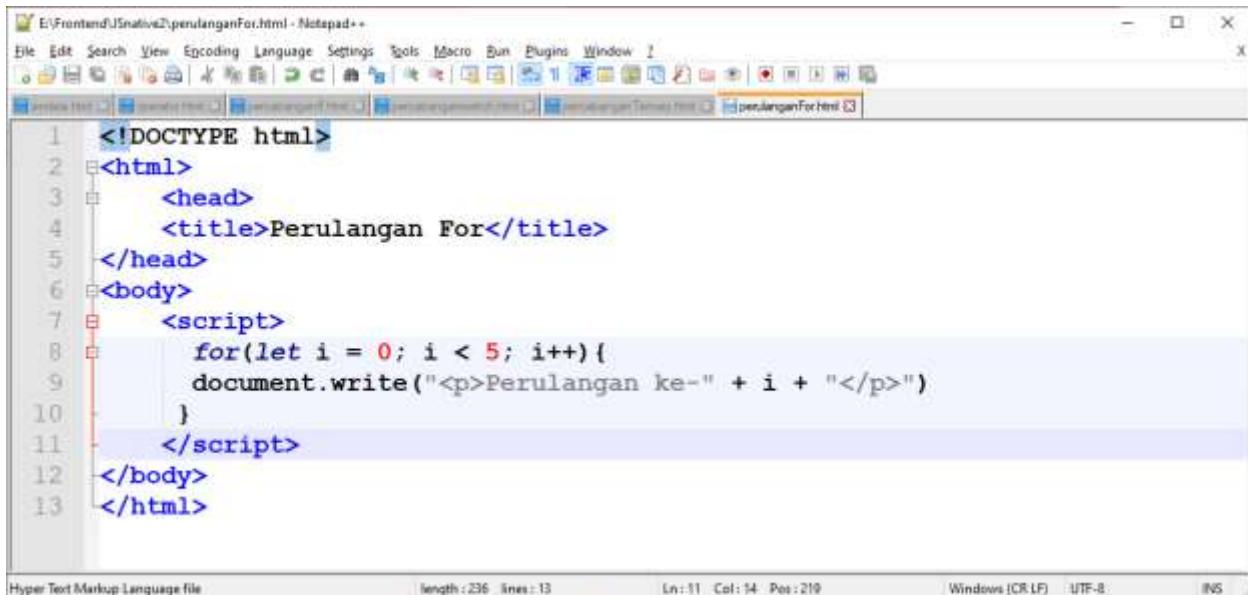


## Praktikum 3 Perulangan dan Array

### Perulangan For

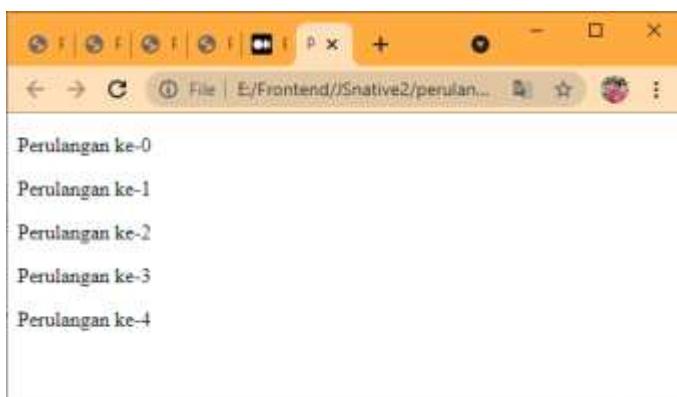


The screenshot shows the Notepad++ interface with the following code:

```
<!DOCTYPE html>
<html>
  <head>
    <title>Perulangan For</title>
  </head>
  <body>
    <script>
      for(let i = 0; i < 5; i++){
        document.write("<p>Perulangan ke-" + i + "</p>")
      }
    </script>
  </body>
</html>
```

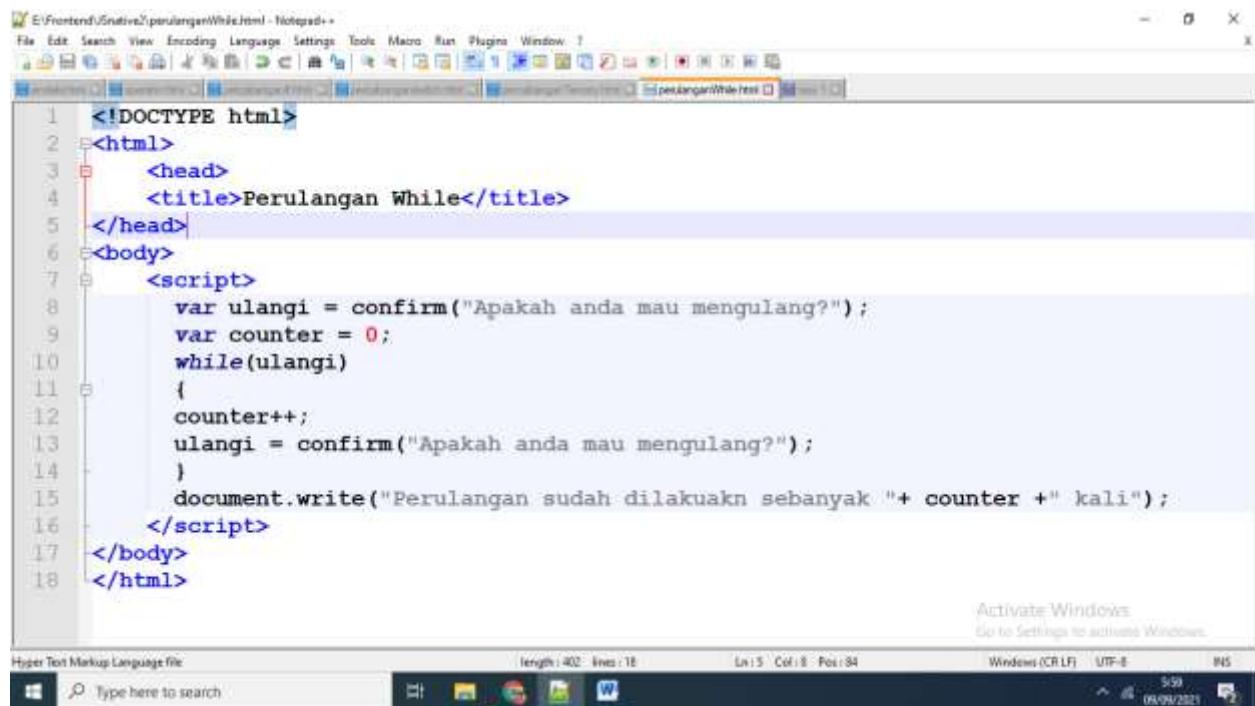
File: E:/Frontend/JSnative2/perulanganFor.html - Notepad++

Length: 236 Lines: 13 Ln: 11 Col: 14 Pos: 219 Windows (CR/LF) UTF-8 INS



The screenshot shows a browser window displaying the output of the JavaScript code. The page title is "Perulangan For". The content area contains the following text:

Perulangan ke-0  
Perulangan ke-1  
Perulangan ke-2  
Perulangan ke-3  
Perulangan ke-4



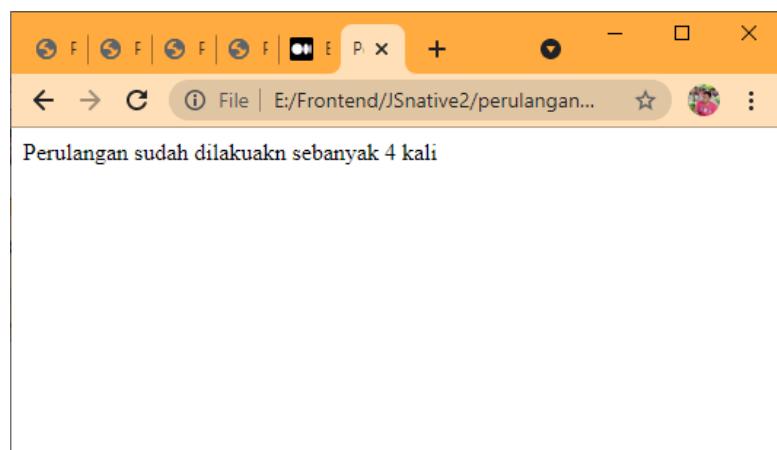
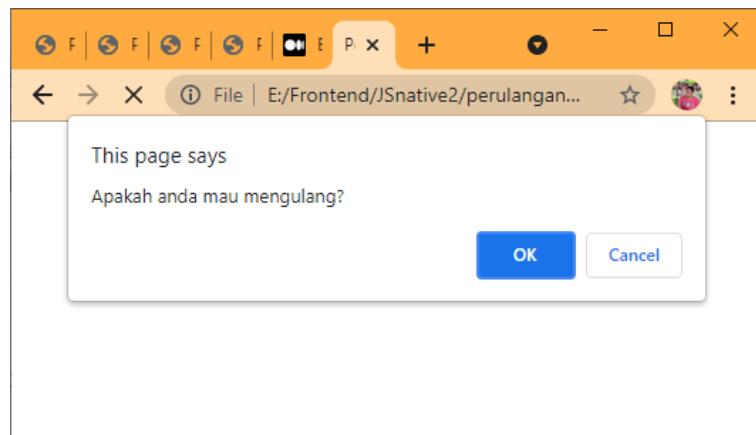
E:\Frontend\JSnative2\perulanganWhile.html - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

perulanganWhile.html

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Perulangan While</title>
5   </head>
6   <body>
7     <script>
8       var ulangi = confirm("Apakah anda mau mengulang?");
9       var counter = 0;
10      while(ulangi)
11      {
12        counter++;
13        ulangi = confirm("Apakah anda mau mengulang?");
14      }
15      document.write("Perulangan sudah dilakuakn sebanyak "+ counter + " kali");
16    </script>
17  </body>
18 </html>
```

Activate Windows  
Go to Settings to activate Windows.



The screenshot shows the Notepad++ interface with the file 'repeat.html' open. The code is as follows:

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>Perulangan While</title>
5   </head>
6   <body>
7     <script>
8       document.write("Cetak Kalimat Ini!<br> ".repeat(5));
9     </script>
10   </body>
11 </html>
```

At the bottom, status bar details are: Length: 201 Lines: 12 Line: 12 Col: 8 Pos: 202 Windows (CR LF) UTF-8 INS.

The screenshot shows a browser window with the following interface elements at the top:

- Back, Forward, Stop, Refresh, Home buttons
- Address bar: File | E:/Frontend/JNative2/repeat.html
- Star icon
- User profile icon
- More options icon

The main content area displays the output of the script:

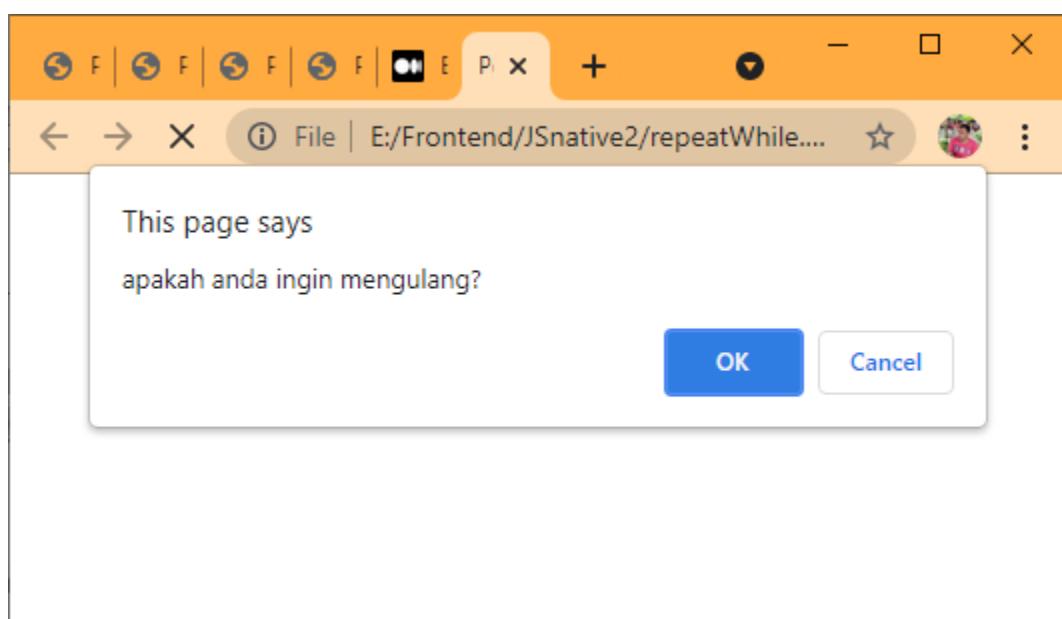
Cetak Kalimat Ini!  
Cetak Kalimat Ini!  
Cetak Kalimat Ini!  
Cetak Kalimat Ini!  
Cetak Kalimat Ini!

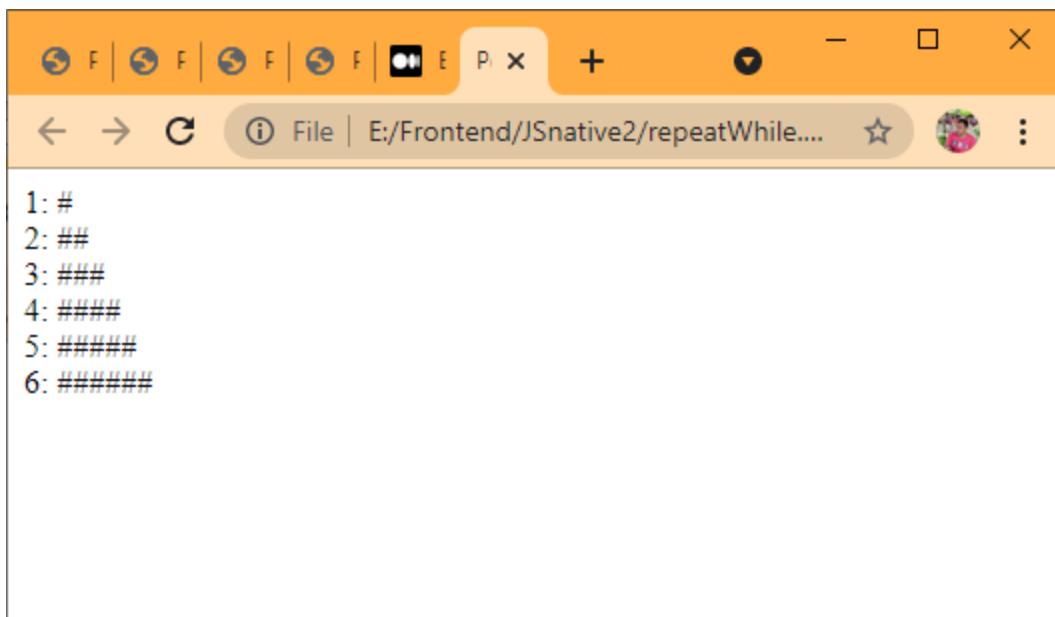
Repeat While

The screenshot shows the Notepad++ interface with the file 'repeatWhile.html' open. The code is a simple JavaScript snippet that prompts the user with a confirmation dialog. If confirmed, it loops, incrementing a counter and writing the result to the page. The code is as follows:

```
6 </head>
7 <body>
8 <script>
9 var ulangi = confirm("apakah anda ingin mengulang?");
10 var nomor = 0;
11 while (ulangi) {
12     nomor++;
13     var pagar = "#".repeat(nomor) + "<br>";
14     document.write(nomor + ":" + pagar);
15     ulangi = confirm("apakah anda ingin mengulang?");
16 }
17 </script>
18 </body>
19 </html>
```

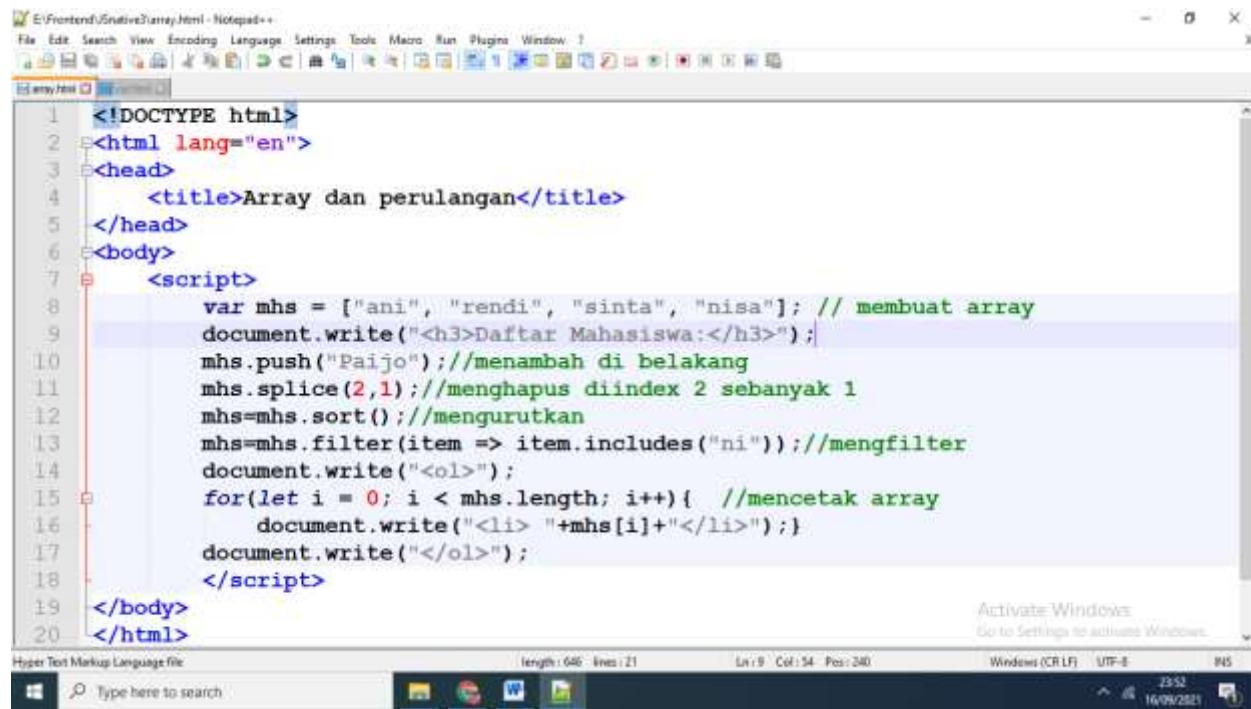
At the bottom, status bar details are visible: length: 388, lines: 19, Ln: 19, Col: 8, Pos: 389, Windows (CR LF), UTF-8, INS.





```
1: #
2: ##
3: ###
4: ####
5: #####
6: #####
```

## Perintah array



```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Array dan perulangan</title>
</head>
<body>
    <script>
        var mhs = ["ani", "rendi", "sinta", "nisa"]; // membuat array
        document.write("<h3>Daftar Mahasiswa:</h3>");
        mhs.push("Paijo");//menambah di belakang
        mhs.splice(2,1);//menghapus diindex 2 sebanyak 1
        mhs=mhs.sort();//mengurutkan
        mhs=mhs.filter(item => item.includes("ni"));//mengfilter
        document.write("<ol>");
        for(let i = 0; i < mhs.length; i++){ //mencetak array
            document.write("<li> "+mhs[i]+"</li>");
        }
        document.write("</ol>");
    </script>
</body>
</html>
```

Input array dengan konfirmasi

The screenshot shows a Notepad window with the following code:

```
2 <!DOCTYPE html>
3 <html>
4     <head>
5         <title>Perulangan do While</title>
6     </head>
7     <body>
8         <script>
9             var mhs=[]; var input;
10            var ulangi;
11            do {
12                input= prompt("silahkan input nama mhs","");
13                mhs.push(input); // input array di data paling belakang
14                ulangi = confirm("ingin menginput lagi?");
15            }while (ulangi);
16            for(let i = 0; i < mhs.length; i++){ //mencetak array
17                document.write("<p> "+mhs[i]+"</p>");
18            }
19        </script>
20    </body>
21 </html>
```

The code is an HTML file containing a script that prompts the user to input names into an array named 'mhs'. It uses a do-while loop to keep asking for input until the user decides to stop. The names are then printed back to the screen using a for loop.