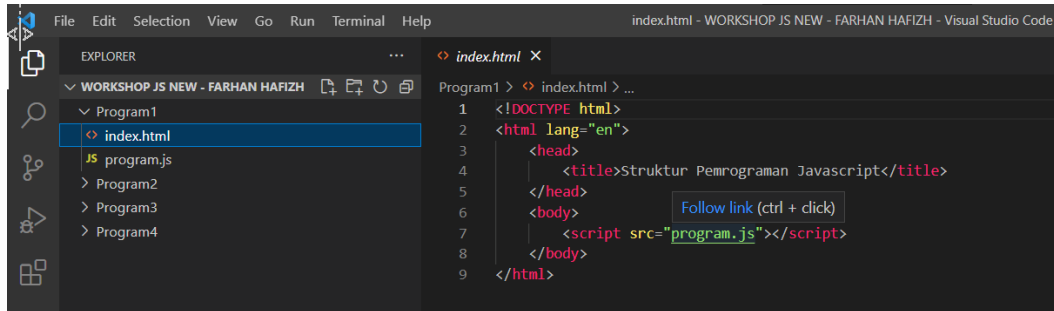


Workshop Sesi 1

Program 1

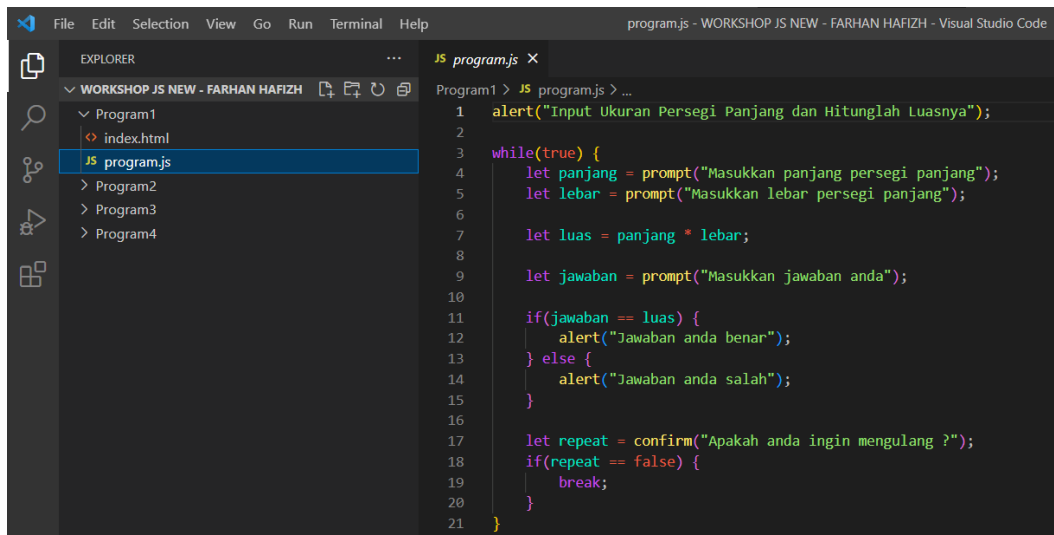
Index.html



The screenshot shows the Visual Studio Code editor with the 'index.html' file open. The Explorer sidebar on the left shows a project named 'WORKSHOP JS NEW - FARHAN HAFIZH' containing a folder 'Program1' with files 'index.html' and 'program.js'. The main editor area displays the HTML code for 'index.html'.

```
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title>Struktur Pemrograman Javascript</title>
5   </head>
6   <body>
7     <script src="program.js"></script>
8   </body>
9 </html>
```

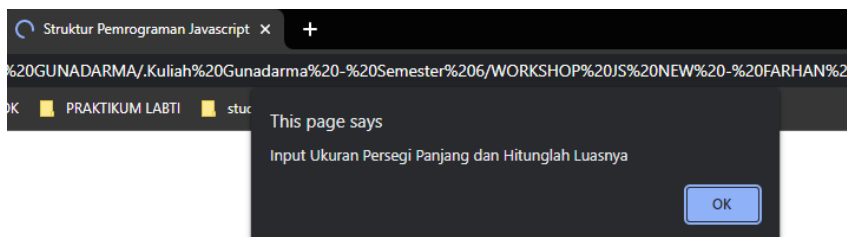
Program.js

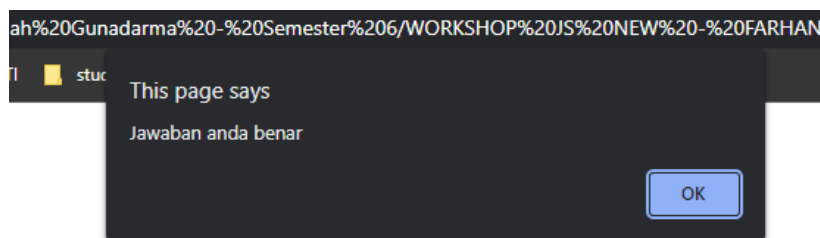
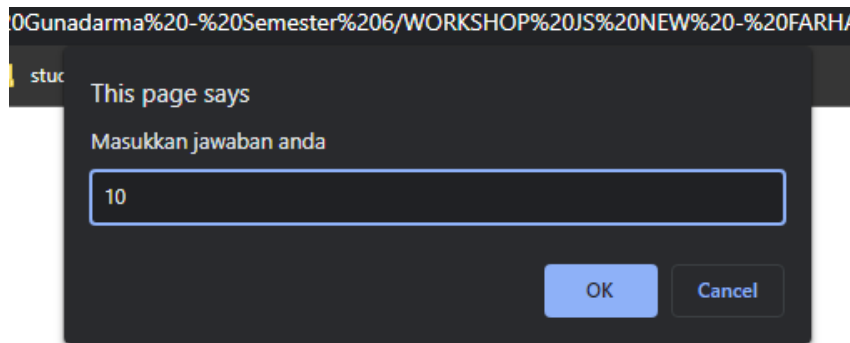
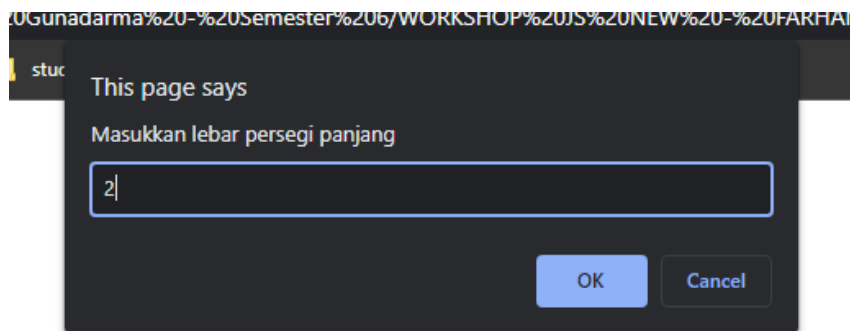
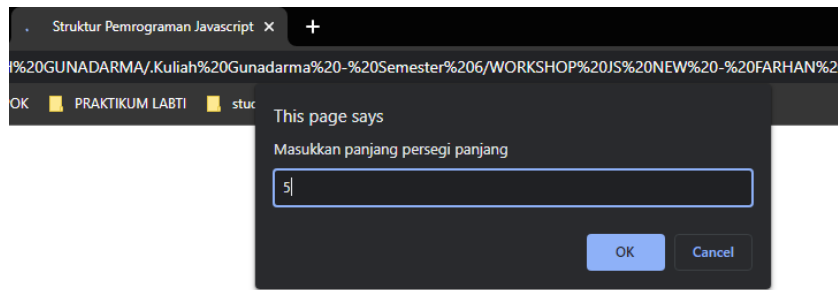


The screenshot shows the Visual Studio Code editor with the 'program.js' file open. The Explorer sidebar on the left shows the same project structure as the previous screenshot. The main editor area displays the JavaScript code for 'program.js'.

```
1 alert("Input Ukuran Persegi Panjang dan Hitunglah Luasnya");
2
3 while(true) {
4   let panjang = prompt("Masukkan panjang persegi panjang");
5   let lebar = prompt("Masukkan lebar persegi panjang");
6
7   let luas = panjang * lebar;
8
9   let jawaban = prompt("Masukkan jawaban anda");
10
11   if(jawaban == luas) {
12     alert("Jawaban anda benar");
13   } else {
14     alert("Jawaban anda salah");
15   }
16
17   let repeat = confirm("Apakah anda ingin mengulang ?");
18   if(repeat == false) {
19     break;
20   }
21 }
```

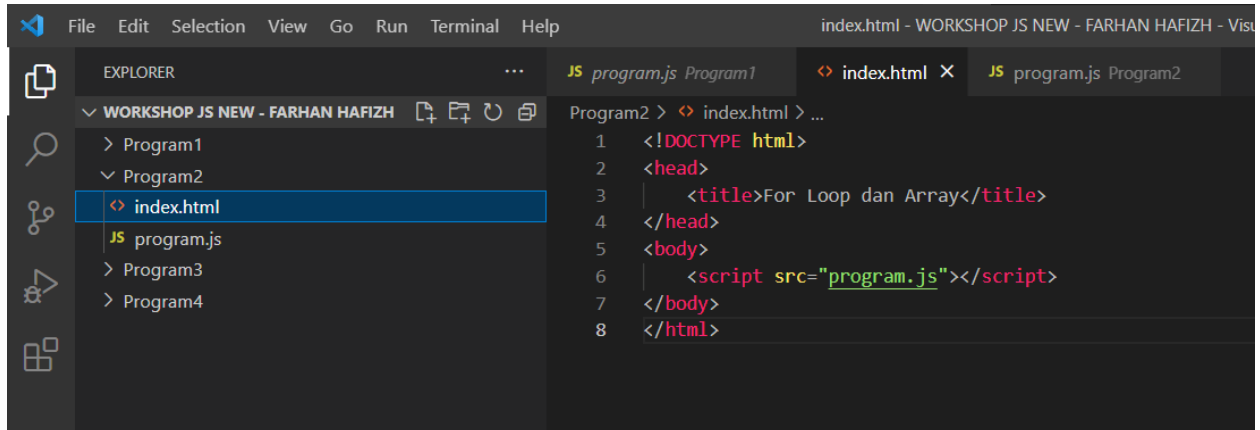
Output





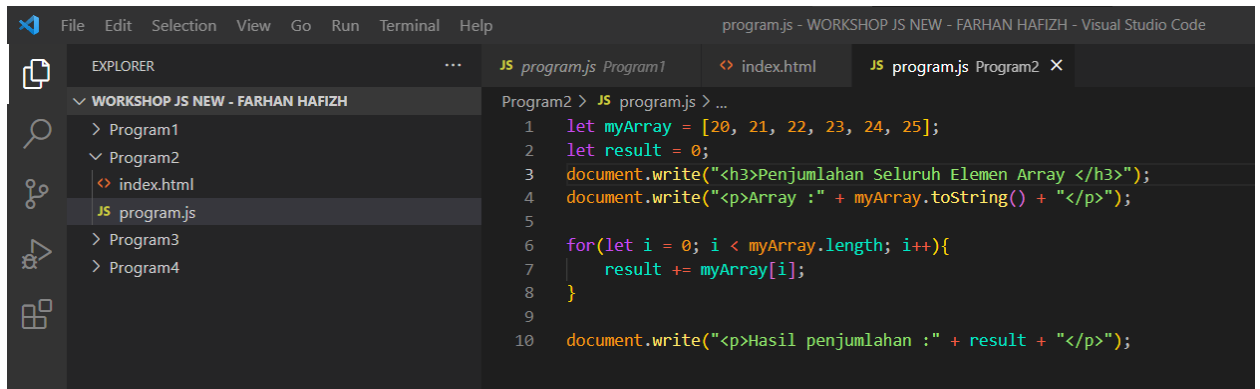
Program 2

Index.html

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows a project named 'WORKSHOP JS NEW - FARHAN HAFIZH' with subfolders 'Program1', 'Program2', 'Program3', and 'Program4'. Under 'Program2', the files 'index.html' and 'program.js' are listed. The 'index.html' file is selected and its content is displayed in the main editor area. The code is an HTML document with a title 'For Loop dan Array' and a script tag pointing to 'program.js'.

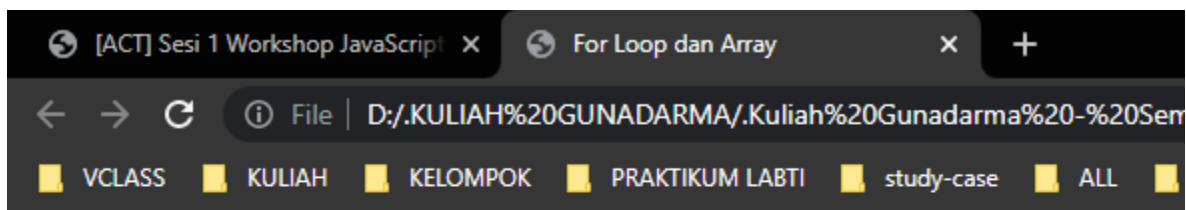
```
1 <!DOCTYPE html>
2 <head>
3   <title>For Loop dan Array</title>
4 </head>
5 <body>
6   <script src="program.js"></script>
7 </body>
8 </html>
```

Program.js

A screenshot of the Visual Studio Code editor. The Explorer sidebar on the left shows the same project structure as the previous image. The 'program.js' file is selected and its content is displayed in the main editor area. The code is a JavaScript script that defines an array, calculates the sum of its elements, and writes the results to the document.

```
1 let myArray = [20, 21, 22, 23, 24, 25];
2 let result = 0;
3 document.write("<h3>Penjumlahan Seluruh Elemen Array </h3>");
4 document.write("<p>Array :" + myArray.toString() + "</p>");
5
6 for(let i = 0; i < myArray.length; i++){
7   result += myArray[i];
8 }
9
10 document.write("<p>Hasil penjumlahan :" + result + "</p>");
```

Output



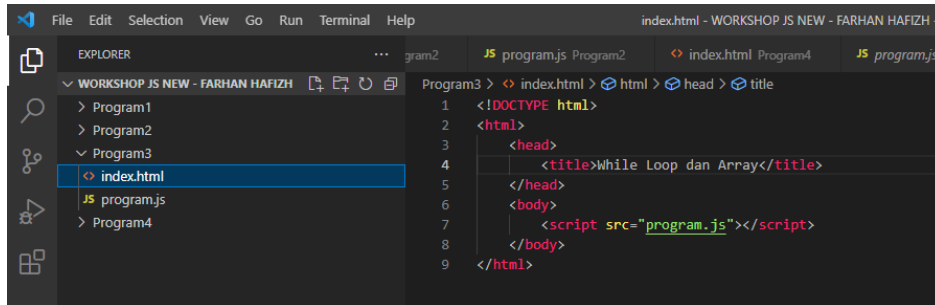
Penjumlahan Seluruh Elemen Array

Array :20,21,22,23,24,25

Hasil penjumlahan :135

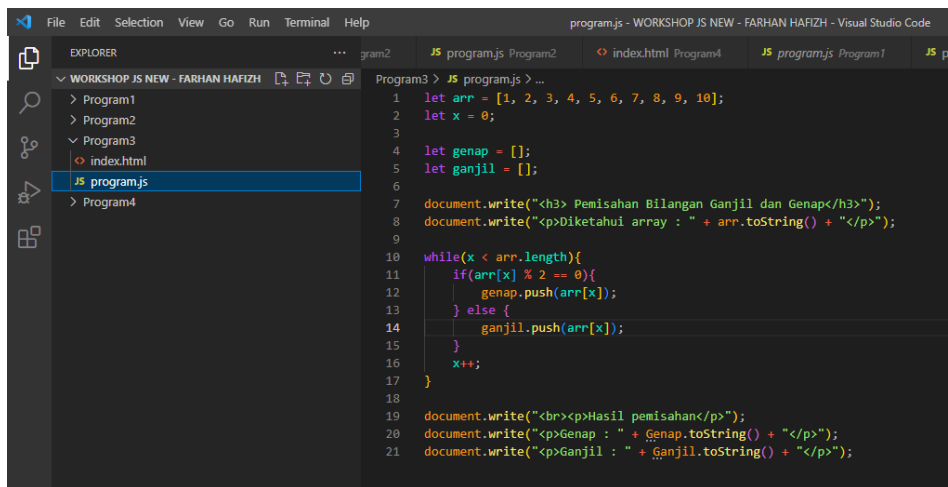
Program 3

Index.html



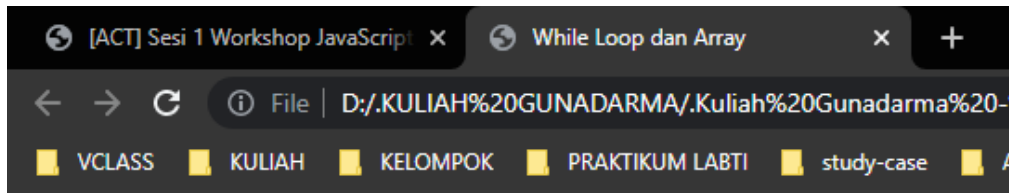
```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <title>While Loop dan Array</title>
5   </head>
6   <body>
7     <script src="program.js"></script>
8   </body>
9 </html>
```

Program.js



```
1 let arr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10];
2 let x = 0;
3
4 let genap = [];
5 let ganjil = [];
6
7 document.write("<h3> Pemisahan Bilangan Ganjil dan Genap</h3>");
8 document.write("<p>Diketahui array : " + arr.toString() + "</p>");
9
10 while(x < arr.length){
11   if(arr[x] % 2 == 0){
12     genap.push(arr[x]);
13   } else {
14     ganjil.push(arr[x]);
15   }
16   x++;
17 }
18
19 document.write("<br><p>Hasil pemisahan</p>");
20 document.write("<p>Genap : " + genap.toString() + "</p>");
21 document.write("<p>Ganjil : " + ganjil.toString() + "</p>");
```

Output



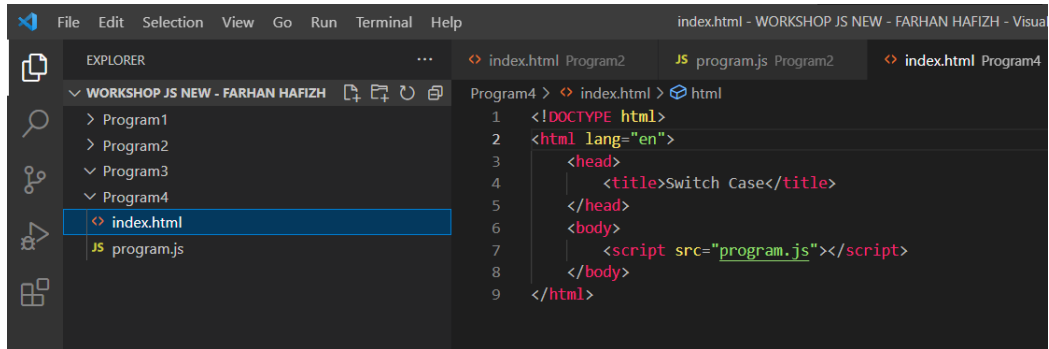
Pemisahan Bilangan Ganjil dan Genap

Diketahui array : 1,2,3,4,5,6,7,8,9,10

Hasil pemisahan

Program 4

Index.html

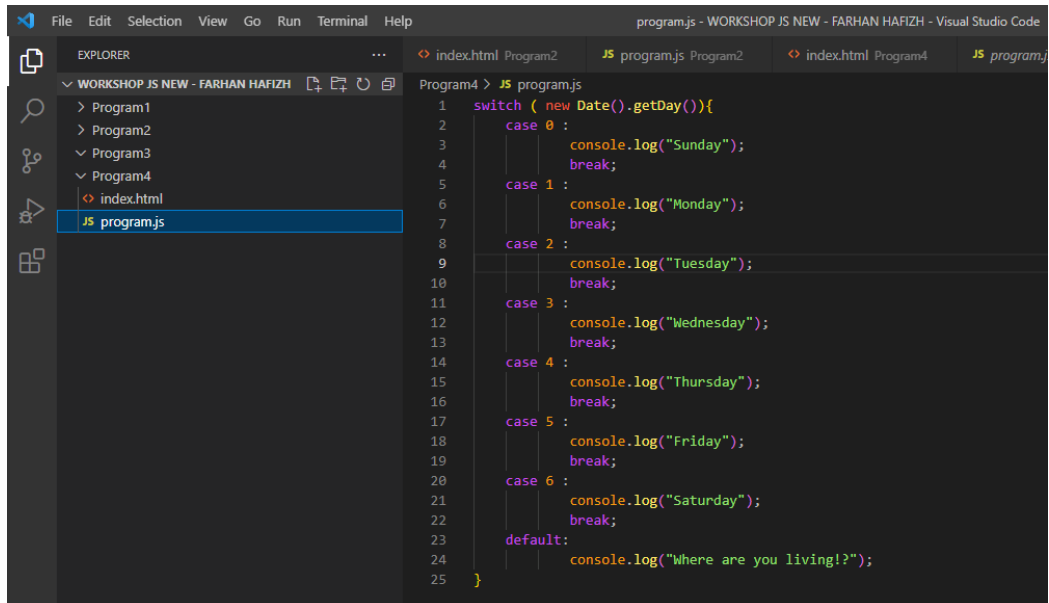


```
File Edit Selection View Go Run Terminal Help index.html - WORKSHOP JS NEW - FARHAN HAFIZH - Visual Studio Code

EXPLORER
WORKSHOP JS NEW - FARHAN HAFIZH
  Program1
  Program2
  Program3
  Program4
    index.html
    program.js

Program4 > index.html > html
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <title>Switch Case</title>
5   </head>
6   <body>
7     <script src="program.js"></script>
8   </body>
9 </html>
```

Program.js



```
File Edit Selection View Go Run Terminal Help program.js - WORKSHOP JS NEW - FARHAN HAFIZH - Visual Studio Code

EXPLORER
WORKSHOP JS NEW - FARHAN HAFIZH
  Program1
  Program2
  Program3
  Program4
    index.html
    program.js

Program4 > program.js
1 switch ( new Date().getDay()){
2   case 0 :
3     console.log("Sunday");
4     break;
5   case 1 :
6     console.log("Monday");
7     break;
8   case 2 :
9     console.log("Tuesday");
10    break;
11   case 3 :
12     console.log("Wednesday");
13     break;
14   case 4 :
15     console.log("Thursday");
16     break;
17   case 5 :
18     console.log("Friday");
19     break;
20   case 6 :
21     console.log("Saturday");
22     break;
23   default:
24     console.log("Where are you living!?");
25 }
```

Output

