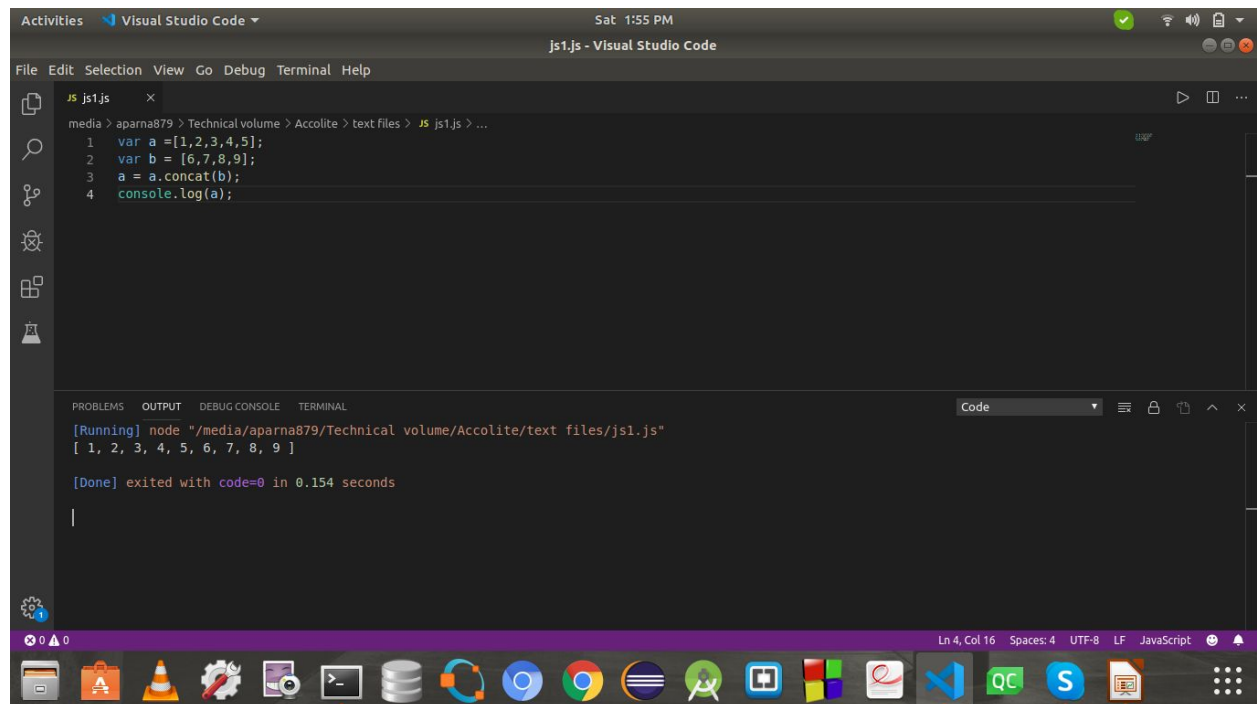


JAVASCRIPT ASSIGNMENT 1

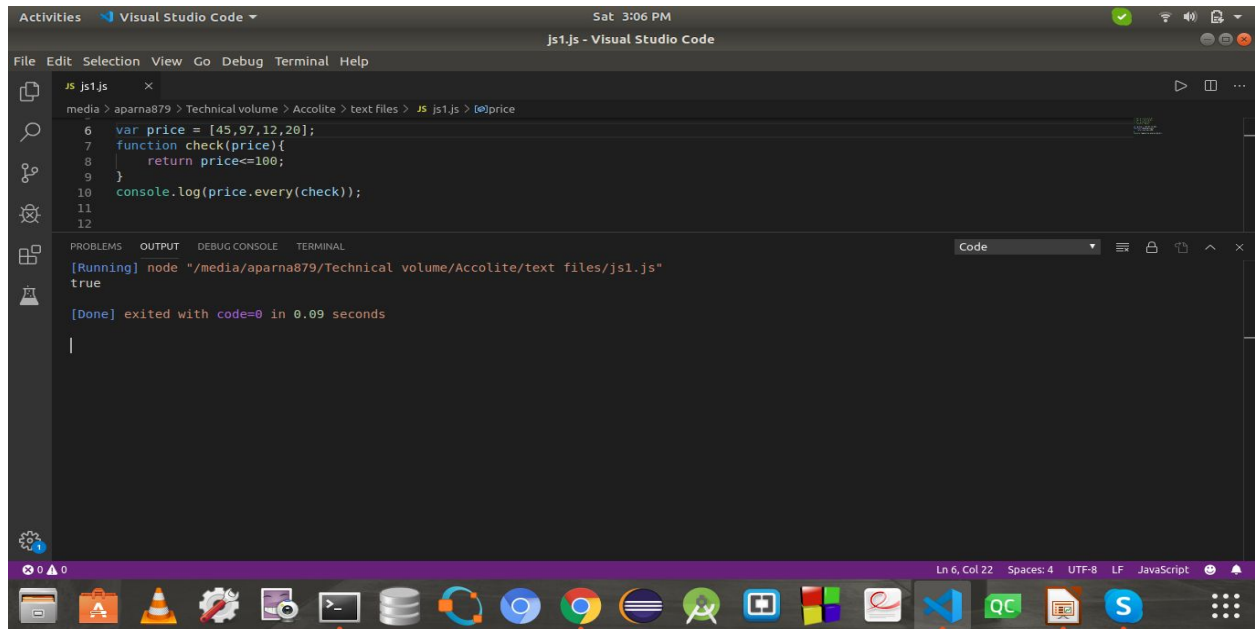
1. concat()

```
var a =[1,2,3,4,5];  
var b = [6,7,8,9];  
a = a.concat(b);  
console.log(a);
```



2. every()

```
var price = [45,97,12,20];  
function check(price){  
    return price<=100;  
}  
console.log(price.every(check));
```



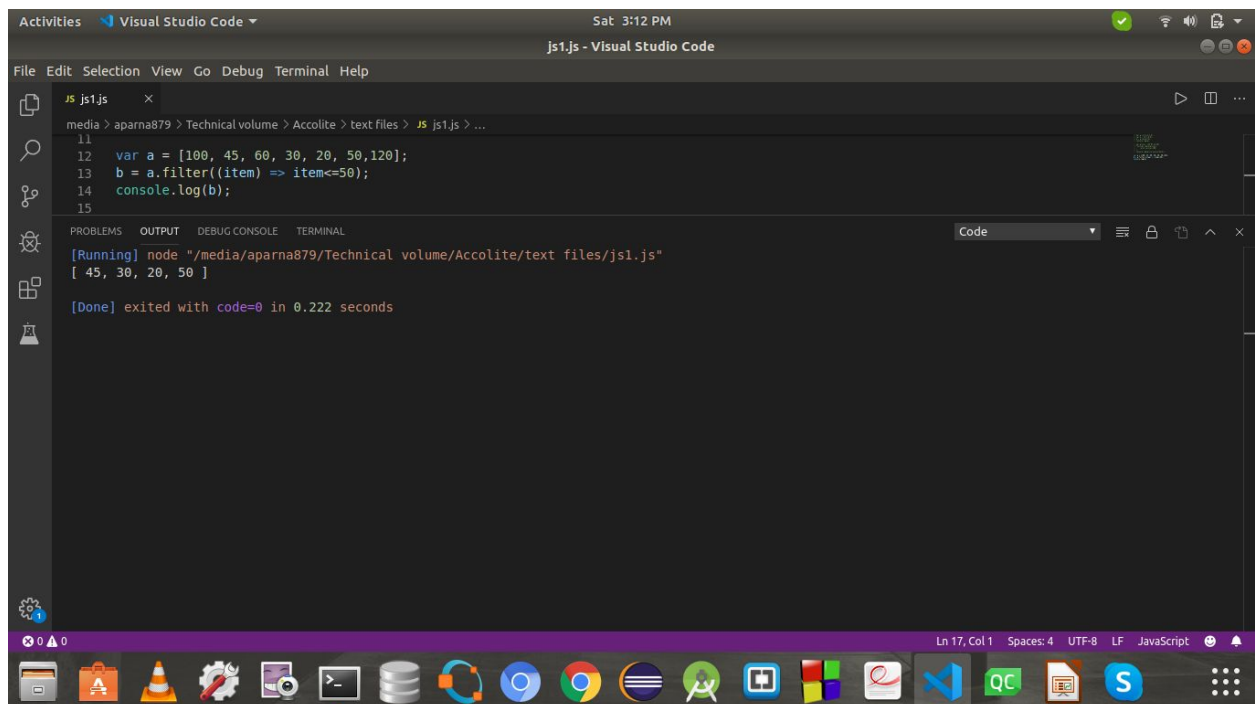
The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The file contains the following JavaScript code:

```
6 var price = [45,97,12,20];
7 function check(price){
8   return price<=100;
9 }
10 console.log(price.every(check));
11
12
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `true`. The status bar at the bottom indicates the file is at line 6, column 22, using UTF-8 encoding and LF line endings.

3. filter()

```
var a = [100, 45, 60, 30, 20, 50,120];
b = a.filter((item) => item<=50);
console.log(b);
```



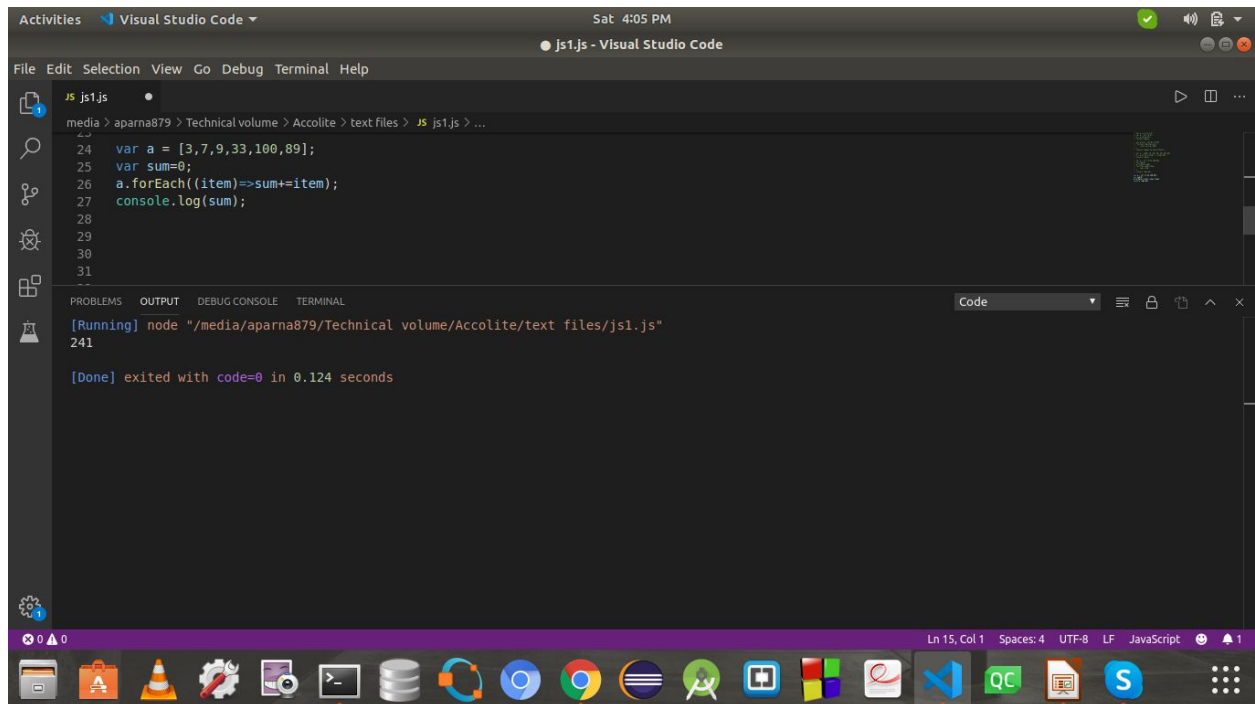
The screenshot shows the Visual Studio Code editor with the same file `js1.js` open. The code has been updated to use the `filter()` method:

```
11
12 var a = [100, 45, 60, 30, 20, 50,120];
13 b = a.filter((item) => item<=50);
14 console.log(b);
15
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[45, 30, 20, 50]`. The status bar at the bottom indicates the file is at line 17, column 1, using UTF-8 encoding and LF line endings.

4. forEach()

```
var a = [3,7,9,33,100,89];  
var sum=0;  
a.forEach((item)=>sum+=item);  
console.log(sum);
```



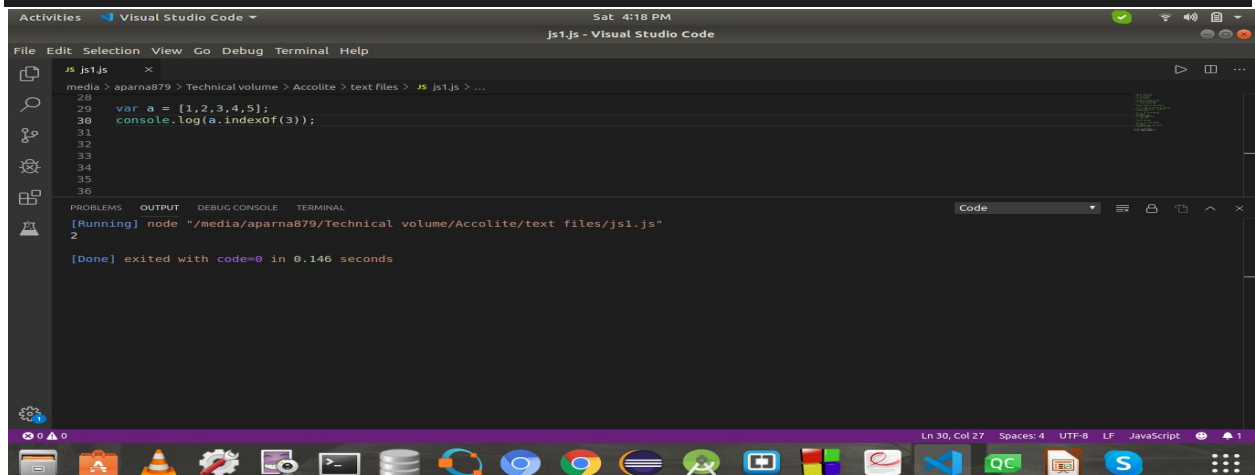
The screenshot shows the Visual Studio Code interface. The editor window displays the following JavaScript code in `js1.js`:

```
24 var a = [3,7,9,33,100,89];  
25 var sum=0;  
26 a.forEach((item)=>sum+=item);  
27 console.log(sum);  
28  
29  
30  
31
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `241`. The status bar at the bottom indicates the file is `js1.js` at line 15, column 1, using UTF-8 encoding.

5. indexOf()

```
var a = [1,2,3,4,5];  
console.log(a.indexOf(3));
```



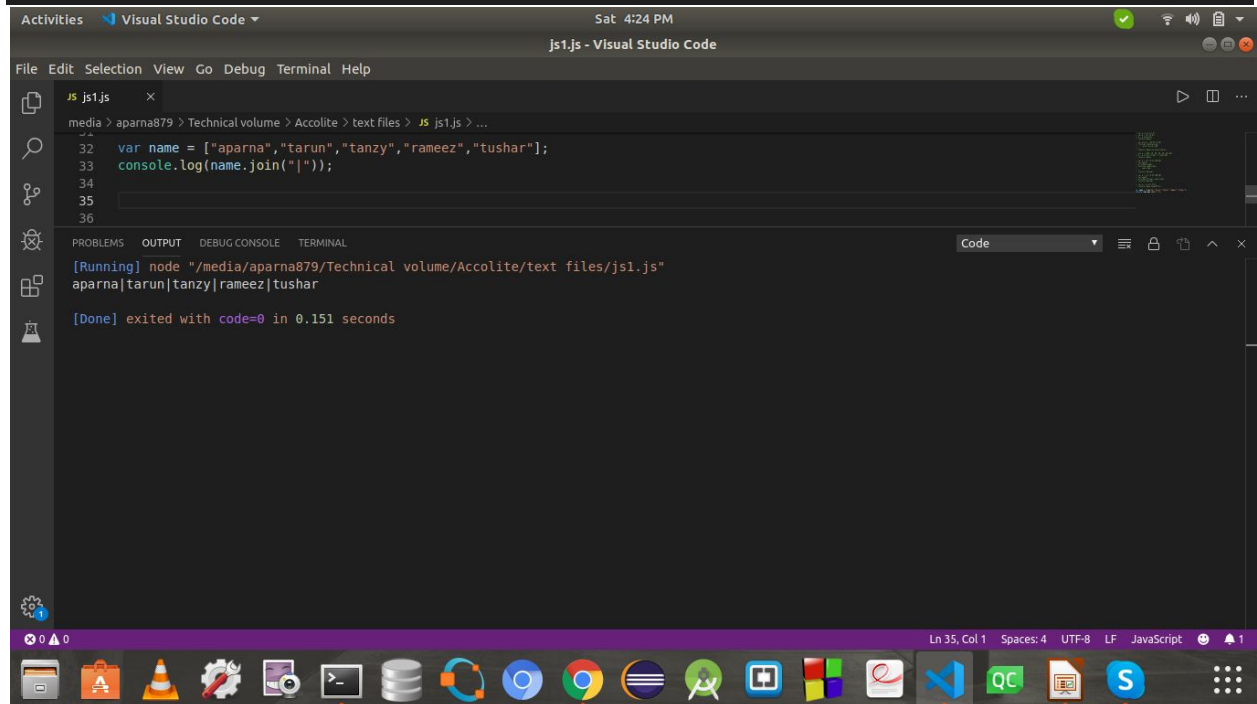
The screenshot shows the Visual Studio Code interface. The editor window displays the following JavaScript code in `js1.js`:

```
28 var a = [1,2,3,4,5];  
29 console.log(a.indexOf(3));  
30  
31  
32  
33  
34  
35  
36
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `2`. The status bar at the bottom indicates the file is `js1.js` at line 30, column 27, using UTF-8 encoding.

6. join()

```
var name = ["aparna","tarun","tanzy","rameez","tushar"];  
console.log(name.join("|"));
```



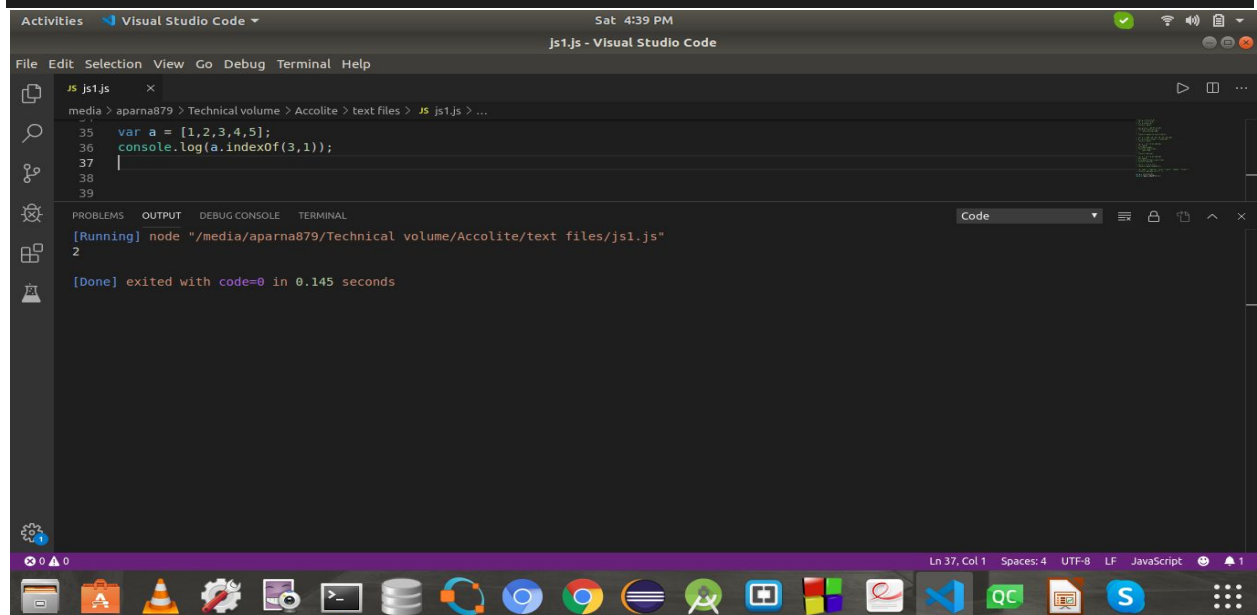
The screenshot shows the Visual Studio Code interface. The editor window displays the file `js1.js` with the following code:

```
32 var name = ["aparna","tarun","tanzy","rameez","tushar"];  
33 console.log(name.join("|"));  
34  
35  
36
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `aparna|tarun|tanzy|rameez|tushar`. The terminal also shows the message `[Done] exited with code=0 in 0.151 seconds`.

7. lastIndexOf()

```
var a = [1,2,3,4,5];  
console.log(a.lastIndexOf(3,1));
```



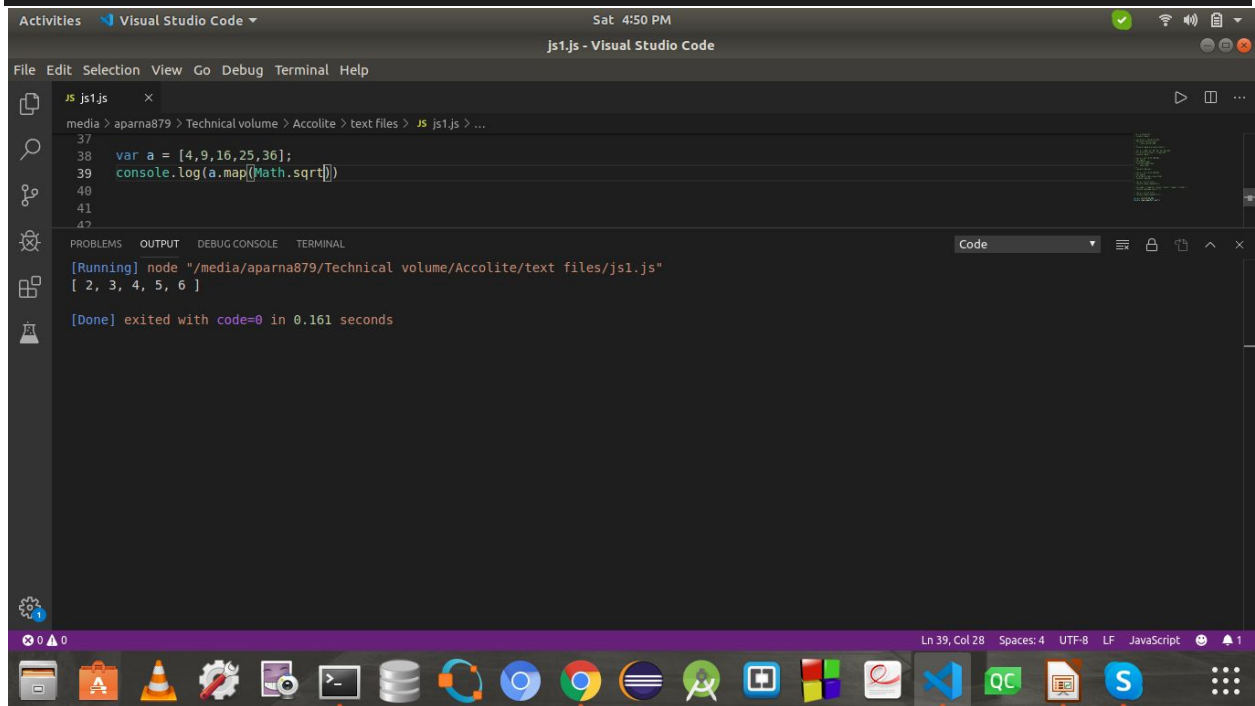
The screenshot shows the Visual Studio Code interface. The editor window displays the file `js1.js` with the following code:

```
35 var a = [1,2,3,4,5];  
36 console.log(a.lastIndexOf(3,1));  
37  
38  
39
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `2`. The terminal also shows the message `[Done] exited with code=0 in 0.145 seconds`.

8. map()

```
var a = [4,9,16,25,36];  
console.log(a.map(Math.sqrt))
```



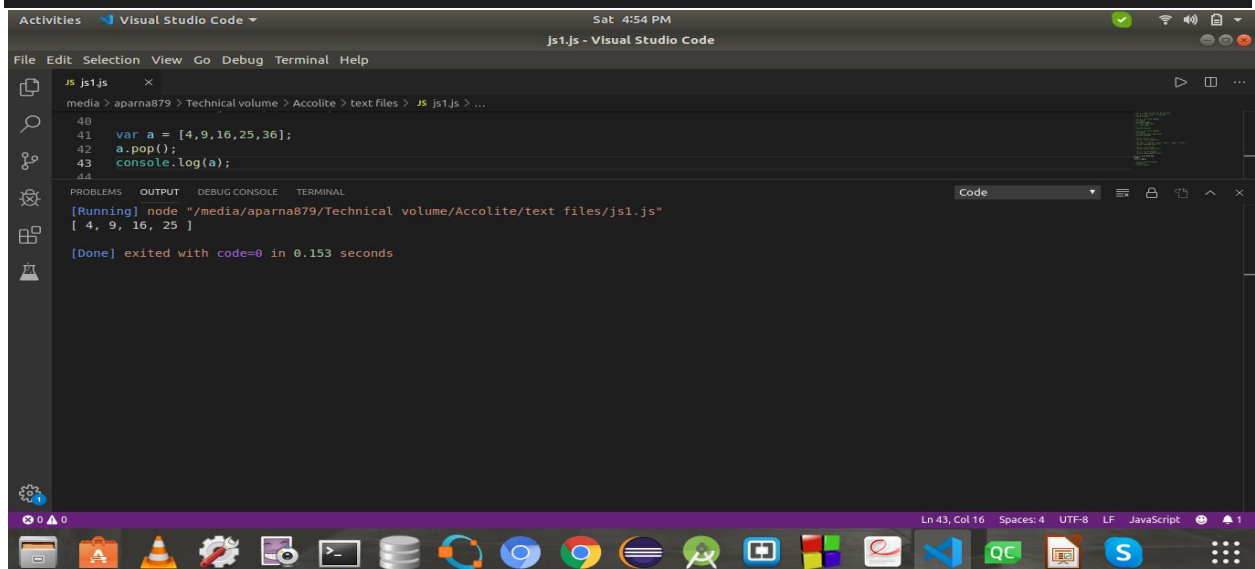
The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
37  
38 var a = [4,9,16,25,36];  
39 console.log(a.map(Math.sqrt));  
40  
41  
42
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[2, 3, 4, 5, 6]`. The status bar at the bottom indicates the file is at line 39, column 28, using UTF-8 encoding and LF line endings.

9. pop()

```
var a = [4,9,16,25,36];  
a.pop();  
console.log(a);
```



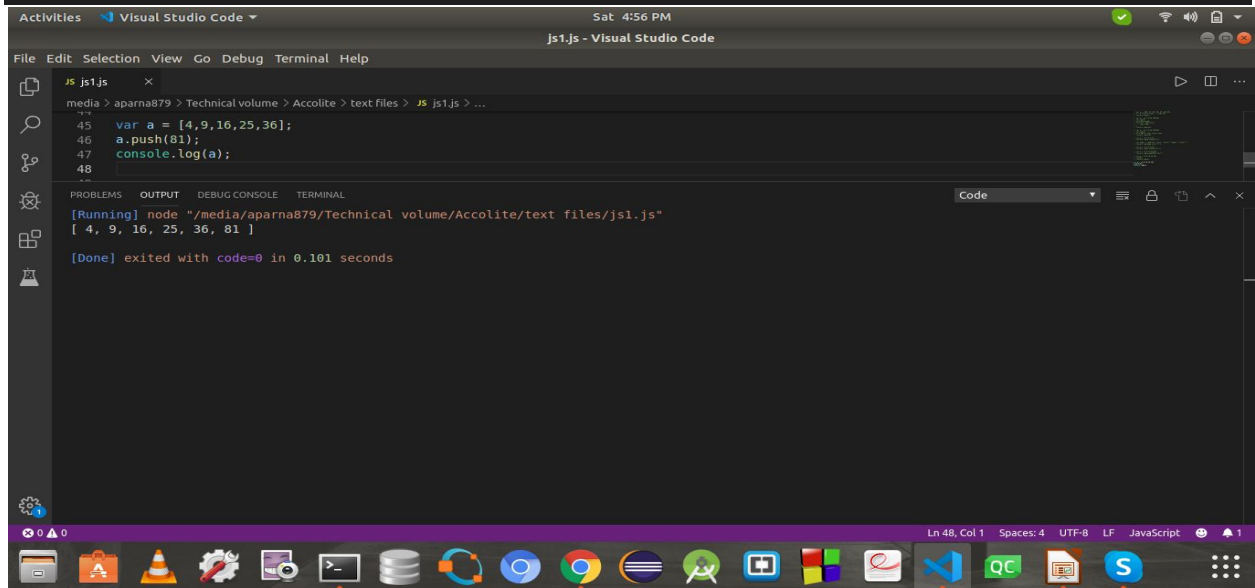
The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
40  
41 var a = [4,9,16,25,36];  
42 a.pop();  
43 console.log(a);  
44
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[4, 9, 16, 25]`. The status bar at the bottom indicates the file is at line 43, column 16, using UTF-8 encoding and LF line endings.

10. push()

```
var a = [4,9,16,25,36];  
a.push(81);  
console.log(a);
```



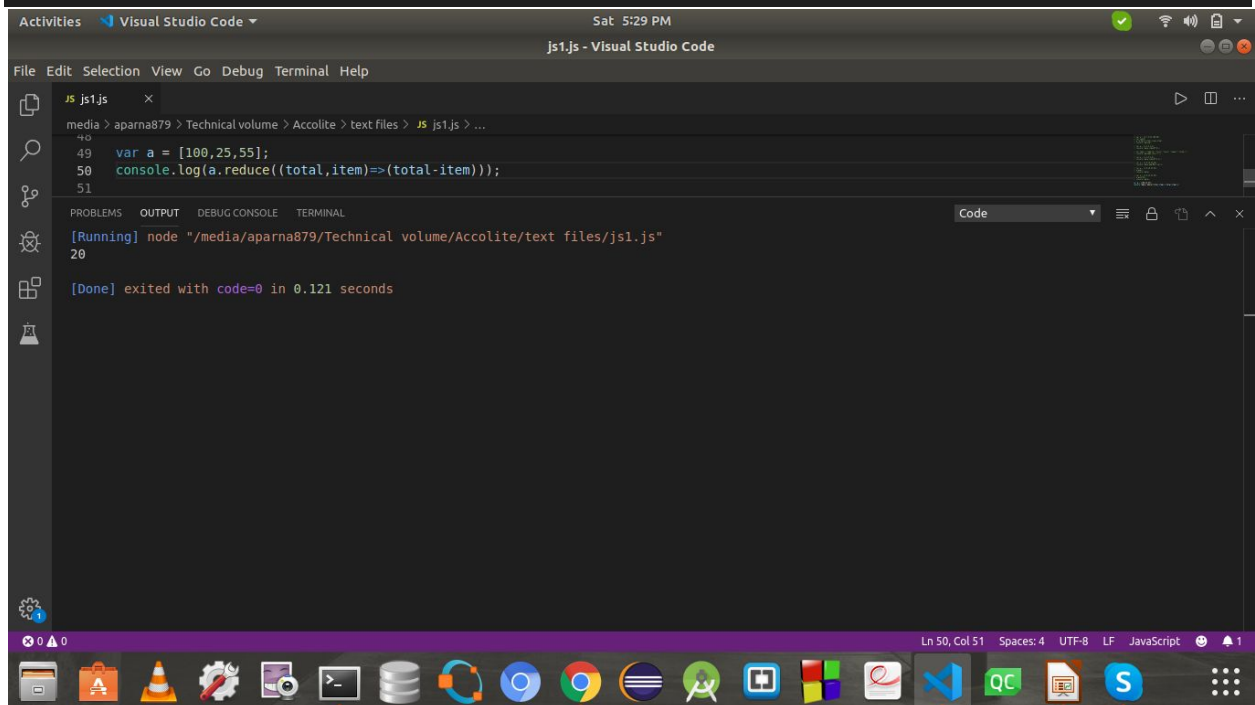
The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
45 var a = [4,9,16,25,36];  
46 a.push(81);  
47 console.log(a);  
48
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[4, 9, 16, 25, 36, 81]`. The status bar at the bottom indicates the file is at line 48, column 1, using UTF-8 encoding and LF line endings.

11. reduce()

```
var a = [100,25,55];  
console.log(a.reduce((total,item)=>(total-item)) );
```



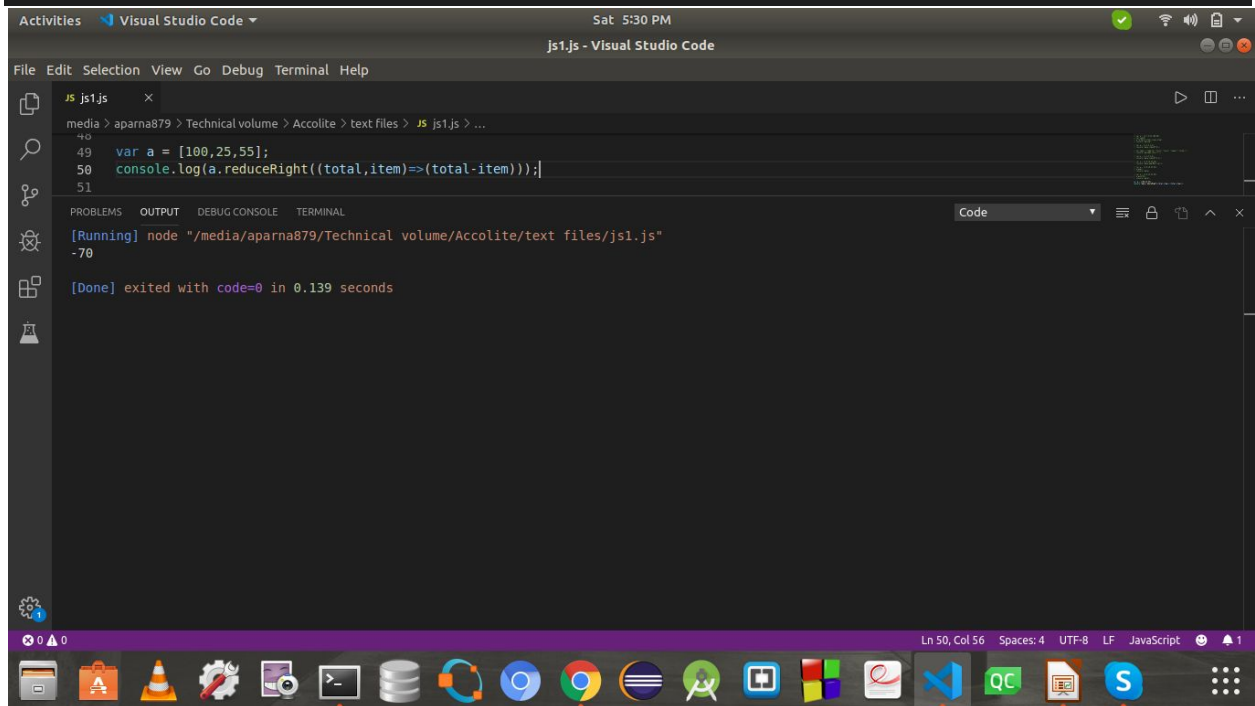
The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
49 var a = [100,25,55];  
50 console.log(a.reduce((total,item)=>(total-item)));  
51
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `20`. The status bar at the bottom indicates the file is at line 50, column 51, using UTF-8 encoding and LF line endings.

12. reduceRight()

```
var a = [100,25,55];  
console.log(a.reduceRight((total,item)=>(total-item)) );
```



The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
49 var a = [100,25,55];  
50 console.log(a.reduceRight((total,item)=>(total-item)));  
51
```

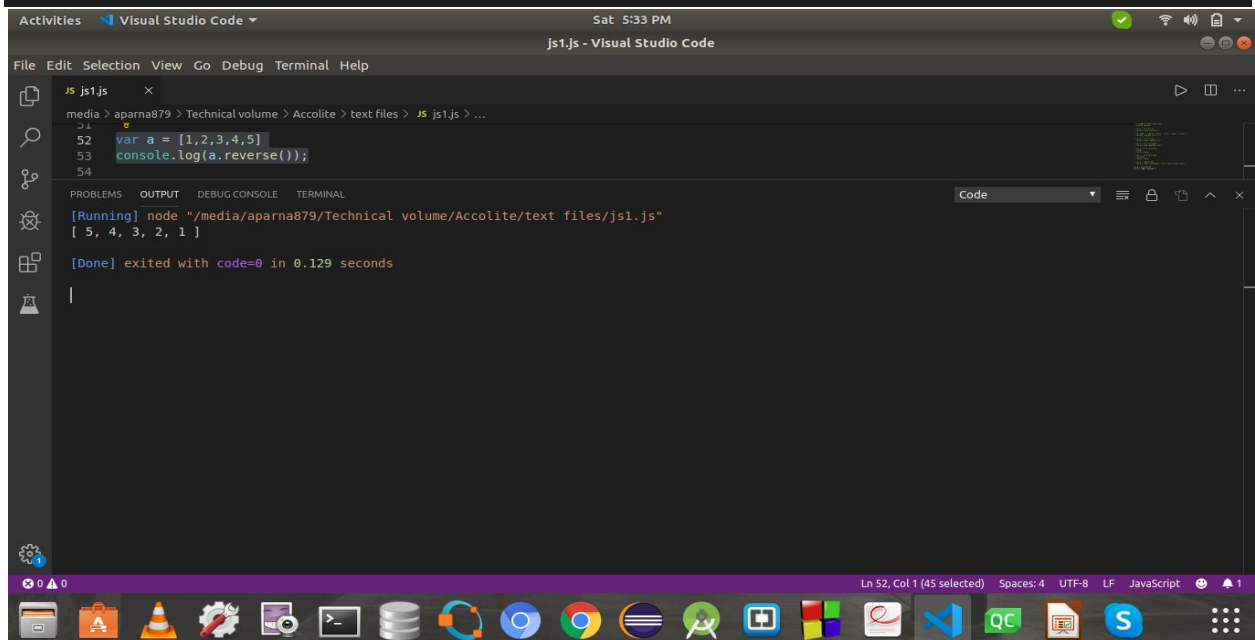
The terminal output shows the command being run and the result:

```
[Running] node "/media/aparna879/Technical volume/Accolite/text files/js1.js"  
-70  
[Done] exited with code=0 in 0.139 seconds
```

The status bar at the bottom indicates the file is at line 50, column 56, using UTF-8 encoding and LF line endings.

13. reverse()

```
var a = [1,2,3,4,5]  
console.log(a.reverse());
```



The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
52 var a = [1,2,3,4,5]  
53 console.log(a.reverse());  
54
```

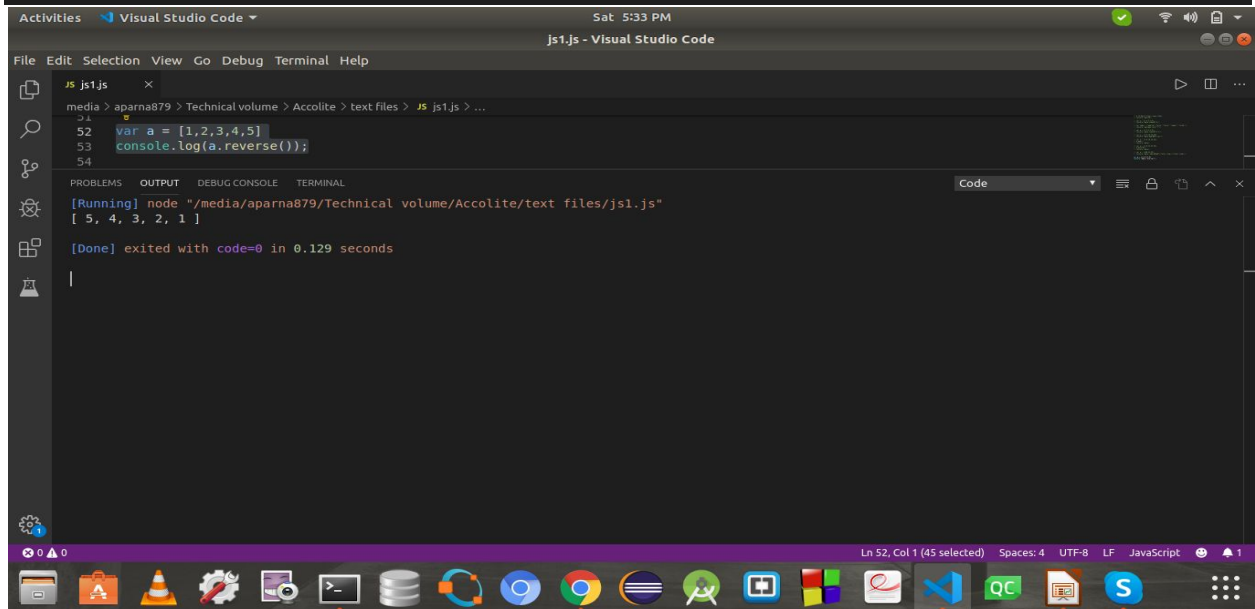
The terminal output shows the command being run and the result:

```
[Running] node "/media/aparna879/Technical volume/Accolite/text files/js1.js"  
[ 5, 4, 3, 2, 1 ]  
[Done] exited with code=0 in 0.129 seconds
```

The status bar at the bottom indicates the file is at line 52, column 1, using UTF-8 encoding and LF line endings.

14. shift()

```
var a = [1,2,3,4,5]
a.shift();
console.log(a);
```



The screenshot shows the Visual Studio Code interface with a file named `js1.js` open. The code in the editor is:

```
var a = [1,2,3,4,5]
a.shift();
console.log(a);
```

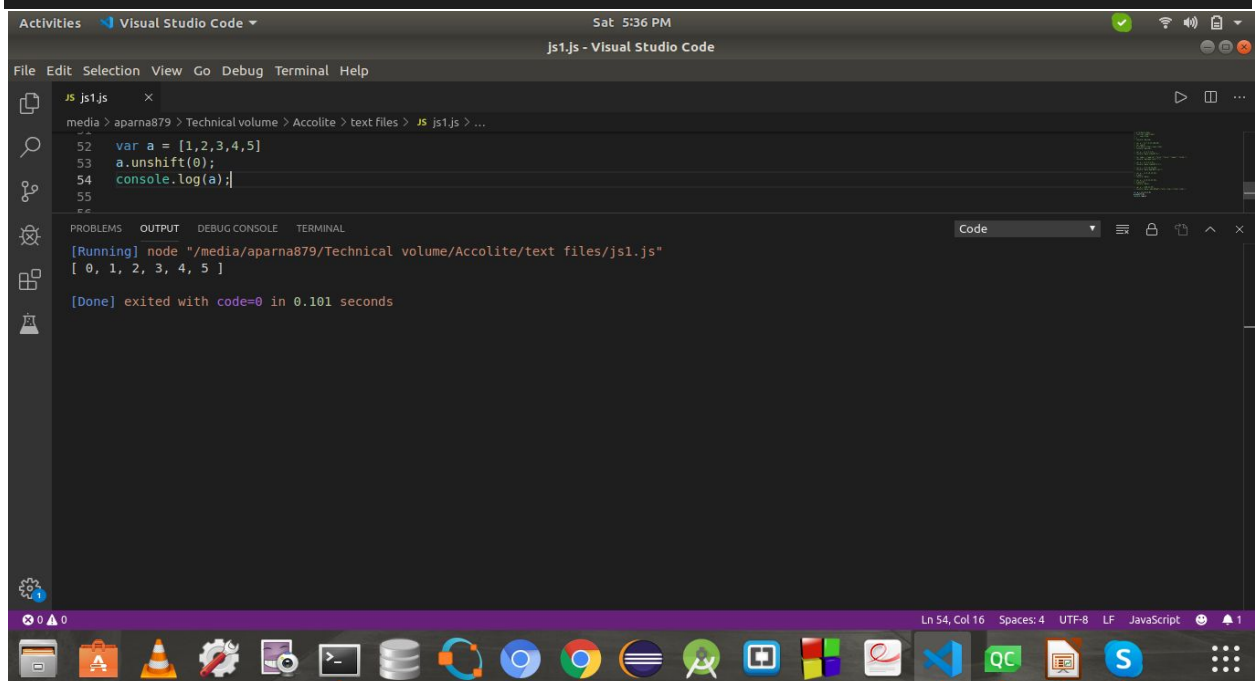
The terminal output shows the execution of the script:

```
[Running] node "/media/aparna879/Technical volume/Accolite/text files/js1.js"
[ 5, 4, 3, 2, 1 ]
[Done] exited with code=0 in 0.129 seconds
```

The status bar at the bottom indicates the current position is Line 52, Column 1 (45 selected), with 4 spaces, UTF-8 encoding, and LF line endings. The taskbar at the bottom shows various application icons.

15. unshift()

```
var a = [1,2,3,4,5]
a.unshift(0);
console.log(a);
```



The screenshot shows the Visual Studio Code interface with a file named `js1.js` open. The code in the editor is:

```
var a = [1,2,3,4,5]
a.unshift(0);
console.log(a);
```

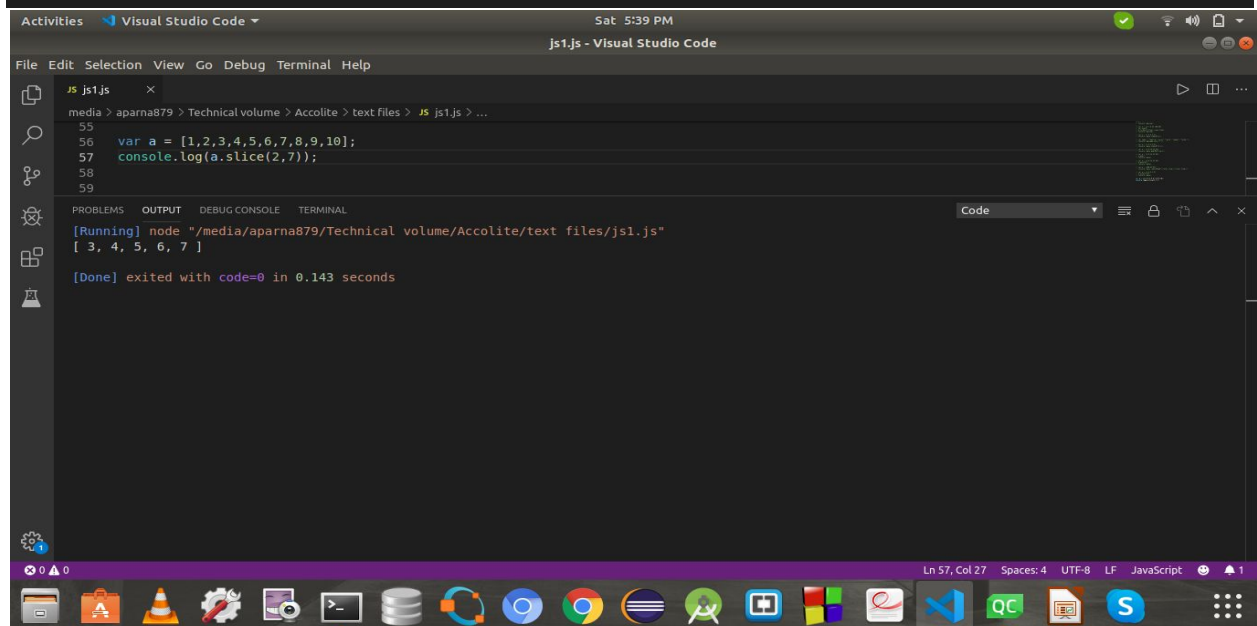
The terminal output shows the execution of the script:

```
[Running] node "/media/aparna879/Technical volume/Accolite/text files/js1.js"
[ 0, 1, 2, 3, 4, 5 ]
[Done] exited with code=0 in 0.101 seconds
```

The status bar at the bottom indicates the current position is Line 54, Column 16, with 4 spaces, UTF-8 encoding, and LF line endings. The taskbar at the bottom shows various application icons.

16. slice()

```
var a = [1,2,3,4,5,6,7,8,9,10];  
console.log(a.slice(2,7));
```



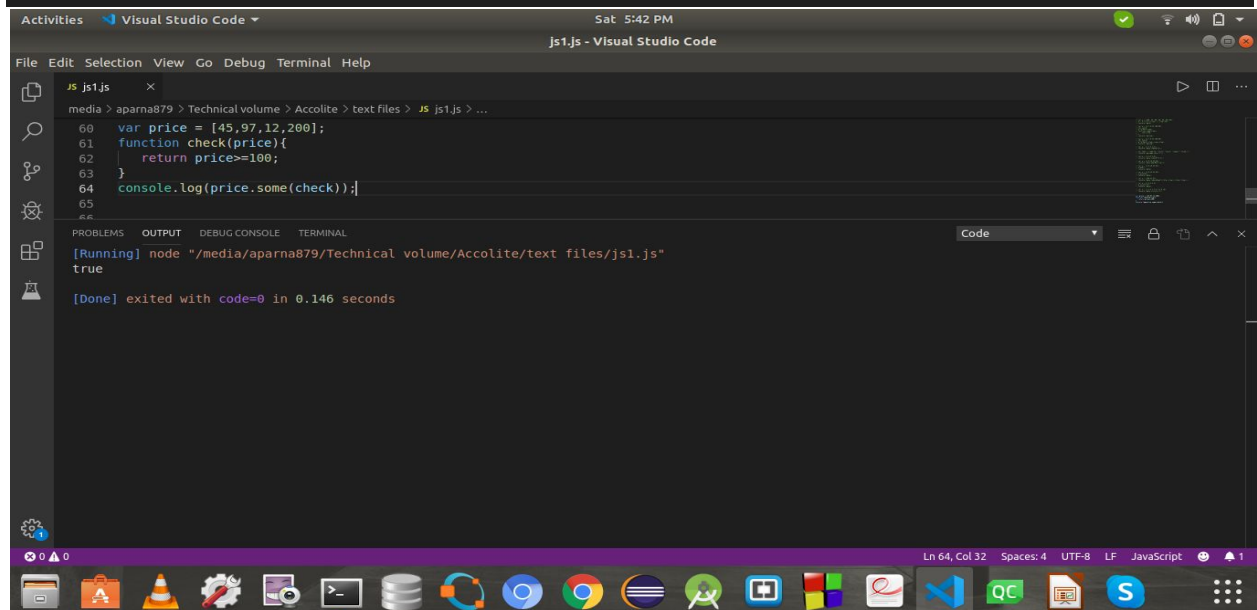
The screenshot shows the Visual Studio Code interface with a file named `js1.js` open. The code in the editor is:

```
55  
56 var a = [1,2,3,4,5,6,7,8,9,10];  
57 console.log(a.slice(2,7));  
58  
59
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[3, 4, 5, 6, 7]`. The status bar at the bottom indicates the file is at line 57, column 27, with 4 spaces, UTF-8 encoding, and LF line endings.

17. some()

```
var price = [45,97,12,200];  
function check(price){  
    return price>=100;  
}  
console.log(price.some(check));
```



The screenshot shows the Visual Studio Code interface with a file named `js1.js` open. The code in the editor is:

```
60 var price = [45,97,12,200];  
61 function check(price){  
62     return price>=100;  
63 }  
64 console.log(price.some(check));  
65
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `true`. The status bar at the bottom indicates the file is at line 64, column 32, with 4 spaces, UTF-8 encoding, and LF line endings.

18. sort()

```
var a = [4,6,1,5,9,0];  
console.log(a.sort());
```

The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
67 var a = [4,6,1,5,9,0];  
68 console.log(a.sort());  
69  
70  
71  
72
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `[0, 1, 4, 5, 6, 9]`. The status bar at the bottom indicates the file is at line 68, column 23, using UTF-8 encoding and LF line endings.

19. splice()

```
var fruits = ["Banana", "Orange", "Apple", "Mango"];  
fruits.splice(2, 1, "Lemon", "Kiwi");  
console.log(fruits);
```

The screenshot shows the Visual Studio Code editor with a file named `js1.js` open. The code in the editor is:

```
69  
70 var fruits = ["Banana", "Orange", "Apple", "Mango"];  
71 fruits.splice(2, 1, "Lemon", "Kiwi");  
72 console.log(fruits);  
73  
74
```

The terminal output shows the command `node "/media/aparna879/Technical volume/Accolite/text files/js1.js"` being executed, resulting in the output `['Banana', 'Orange', 'Lemon', 'Kiwi', 'Mango']`. The status bar at the bottom indicates the file is at line 73, column 1, using UTF-8 encoding and LF line endings.

20. toString()

```
var a = ["hello", "world"];  
console.log(a.toString());
```

