Day 5 - Activity

Task 3 : Arrow functions
a) Print odd numbers in an array
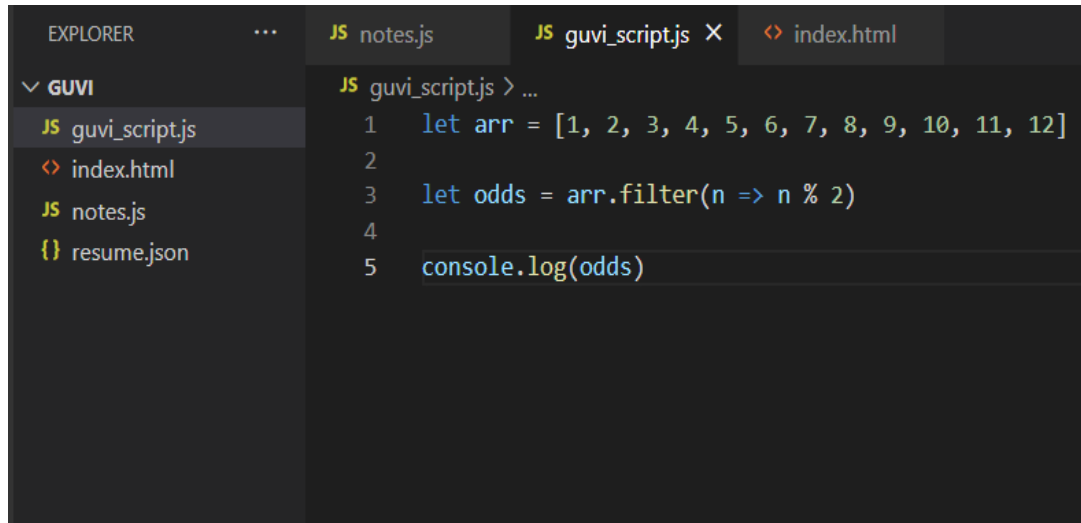
Output: **(raw code lines)**

```
let arr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12]

let odds = arr.filter(n => n % 2)

console.log(odds)
```
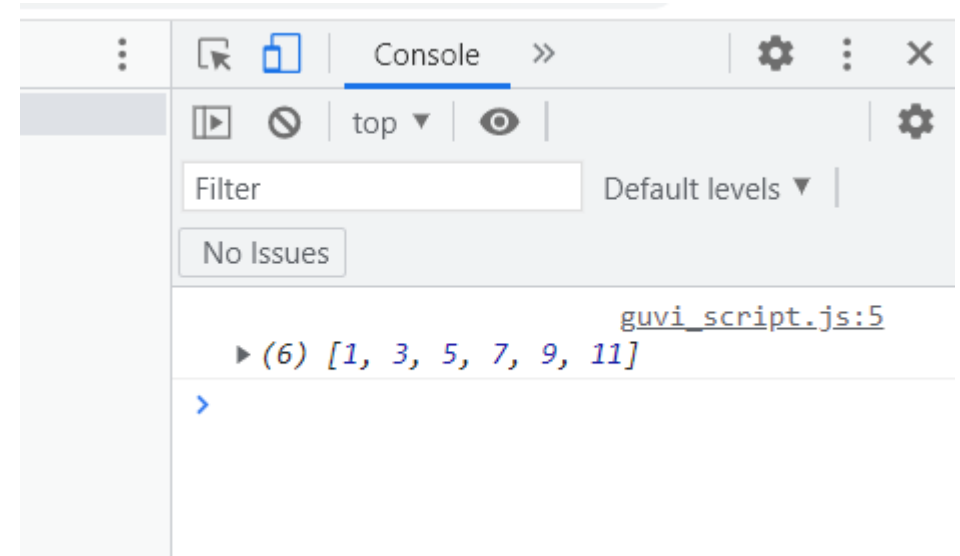
Day 5 - Activity

Screenshots:

Vs Code

Console

Day 5 - Activity

Task 3 : Arrow functions
b) Convert all the strings to title caps in a string array
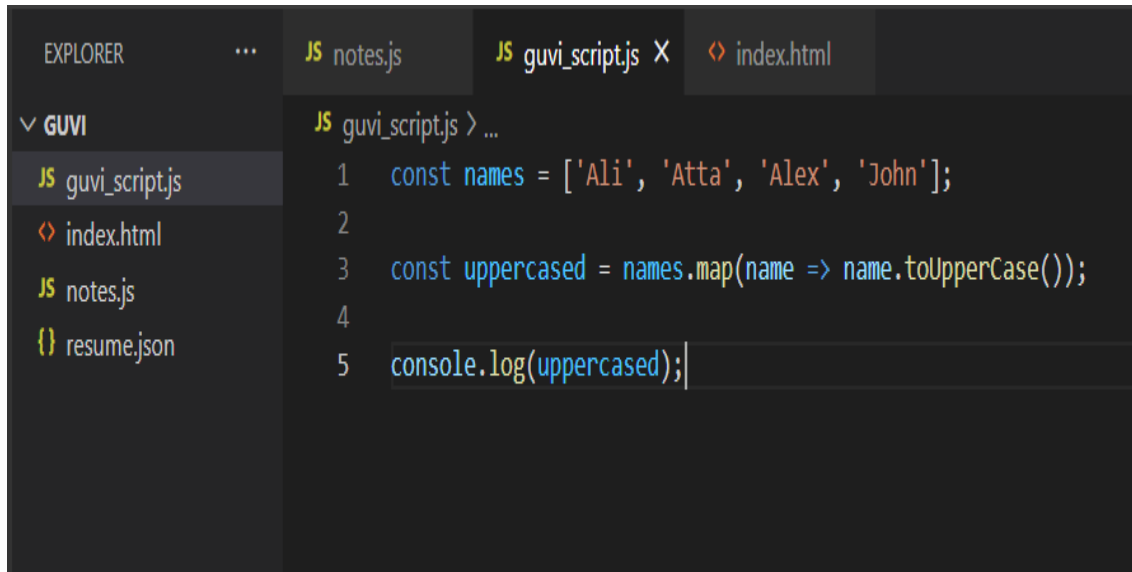
Output:

(raw code lines)

```javascript
const names = ['Ali', 'Atta', 'Alex', 'John'];

const uppercased = names.map(name =>
name.toUpperCase());

console.log(uppercased);
```
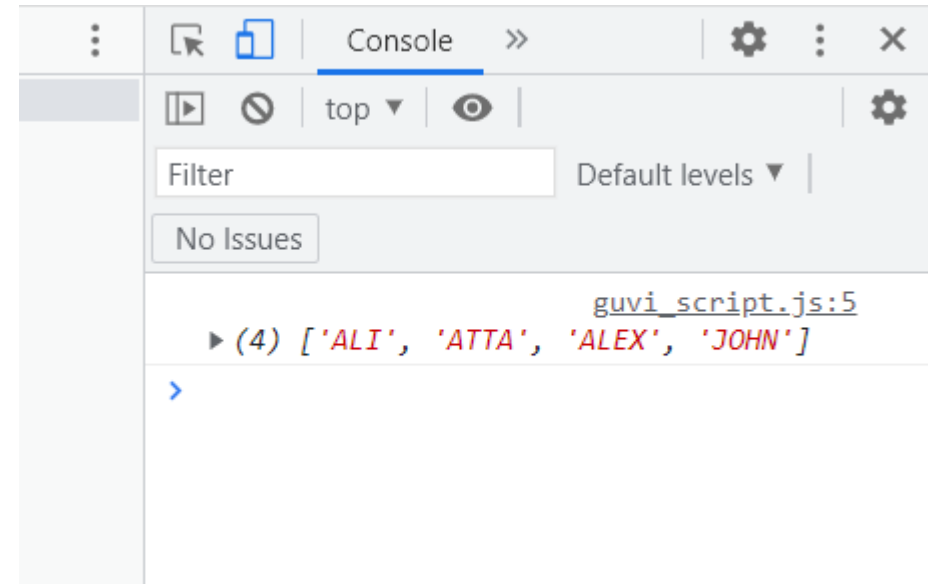
Day 5 - Activity

Screenshots:

Vs Code

Console

```
EXPLORER                    JS notes.js      JS guvi_script.js X     <> index.html

∨ GUVI                      JS guvi_script.js > ...

JS guvi_script.js           1    const names = ['Ali', 'Atta', 'Alex', 'John'];

<> index.html               2

JS notes.js                 3    const uppercased = names.map(name => name.toUpperCase());

{} resume.json              4

                            5    console.log(uppercased);
```

```
         Console  »                    ⚙  ⋮  ✕

  ▶  🚫  | top ▾  👁  |                     ⚙

  Filter                        Default levels ▾ |

  No Issues

                                      guvi_script.js:5
     ▶ (4) ['ALI', 'ATTA', 'ALEX', 'JOHN']
  >
```

Day 5 - Activity

Task 3 : Arrow functions
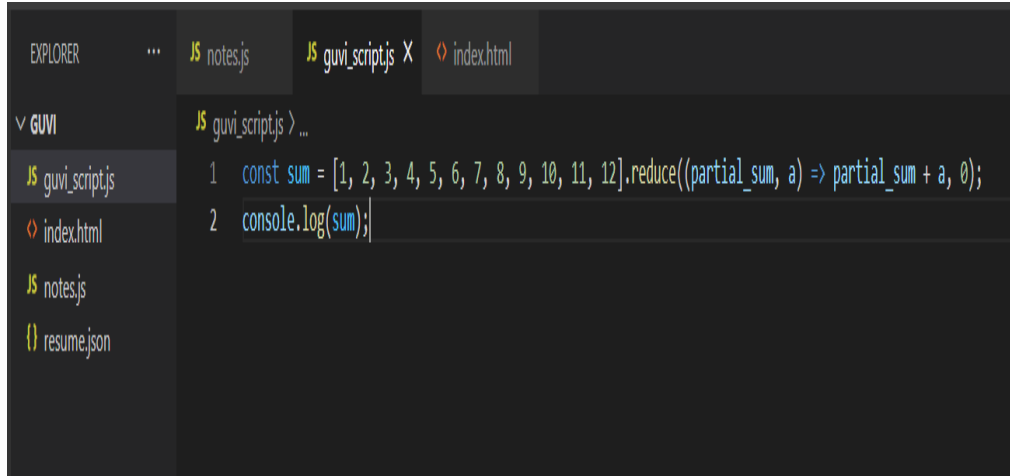**c) Sum of all numbers in an array**

Output:

(raw code lines)

```
const sum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11,
12].reduce((partial_sum, a) => partial_sum + a, 0);
console.log(sum);
```

Day 5 - Activity
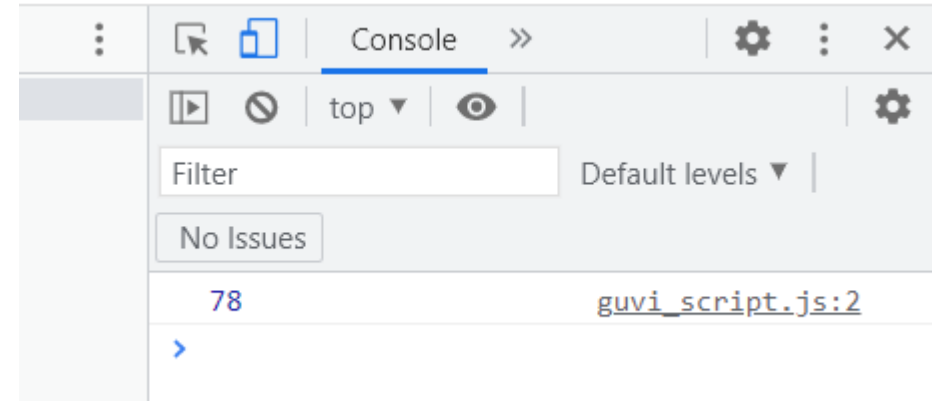
Screenshots:

Vs Code

Console


```js
1   const sum = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12].reduce((partial_sum, a) => partial_sum + a, 0);
2   console.log(sum);
```


78   guvi_script.js:2

Day 5 - Activity

Task 3 : Arrow functions
d) Return all the prime numbers in an array

Output: **(raw code lines)**

```javascript
var numArray = [2, 3, 4, 5, 6, 7, 8, 9, 10]

numArray = numArray.filter((number) => {
    for (var i = 2; i <= Math.sqrt(number); i++) {
        if (number % i === 0) return false;
    }
    return true;
});

console.log(numArray);
```
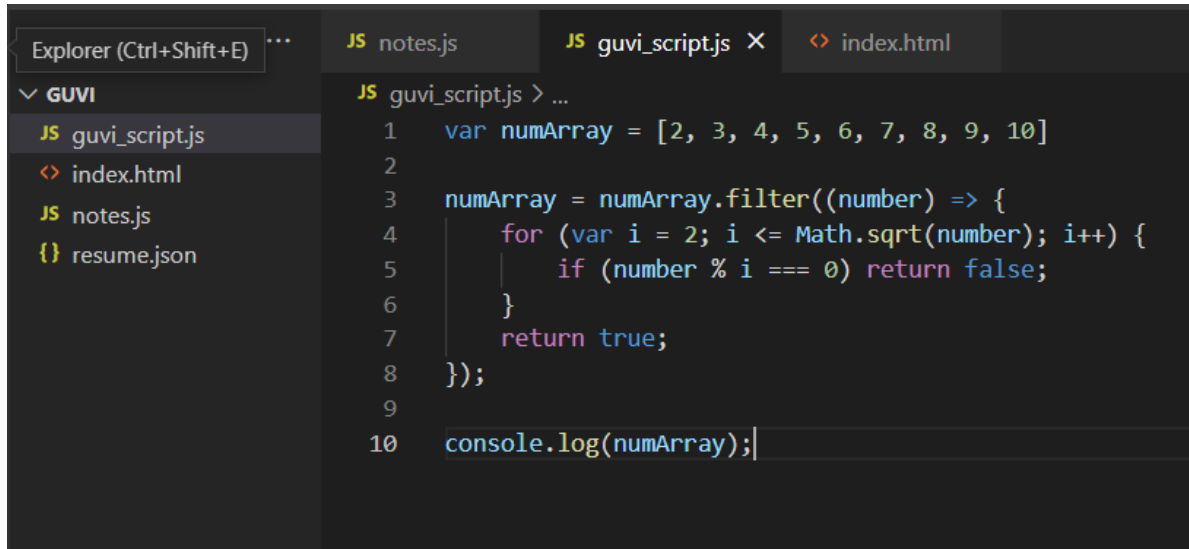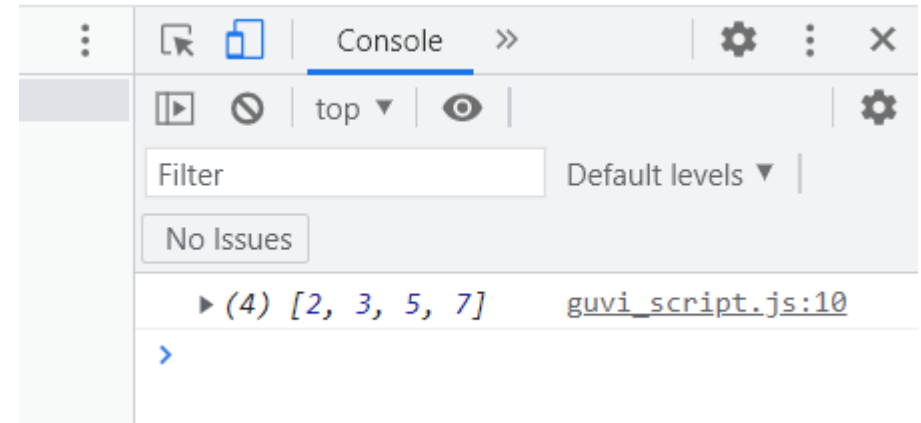
Day 5 - Activity

Screenshots:

Vs Code

```
Explorer (Ctrl+Shift+E)        JS notes.js      JS guvi_script.js ×    <> index.html
∨ GUVI                          JS guvi_script.js > ...
  JS guvi_script.js           1    var numArray = [2, 3, 4, 5, 6, 7, 8, 9, 10]
  <> index.html               2
  JS notes.js                 3    numArray = numArray.filter((number) => {
  {} resume.json              4        for (var i = 2; i <= Math.sqrt(number); i++) {
                              5            if (number % i === 0) return false;
                              6        }
                              7        return true;
                              8    });
                              9
                             10    console.log(numArray);
```

Console

```
Console  >>

▶ (4) [2, 3, 5, 7]     guvi_script.js:10
>
```

Day 5 - Activity

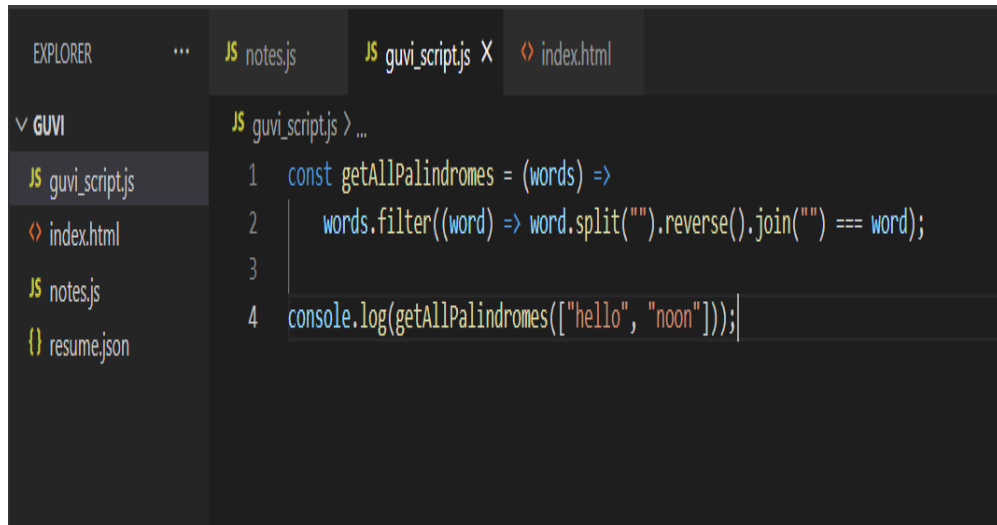**Task 3 : Arrow functions**
e) Return all the palindromes in an array

Output: **(raw code lines)**

```javascript
const getAllPalindromes = (words) =>
    words.filter((word) =>
word.split("").reverse().join("") === word);

console.log(getAllPalindromes(["hello", "noon"]));
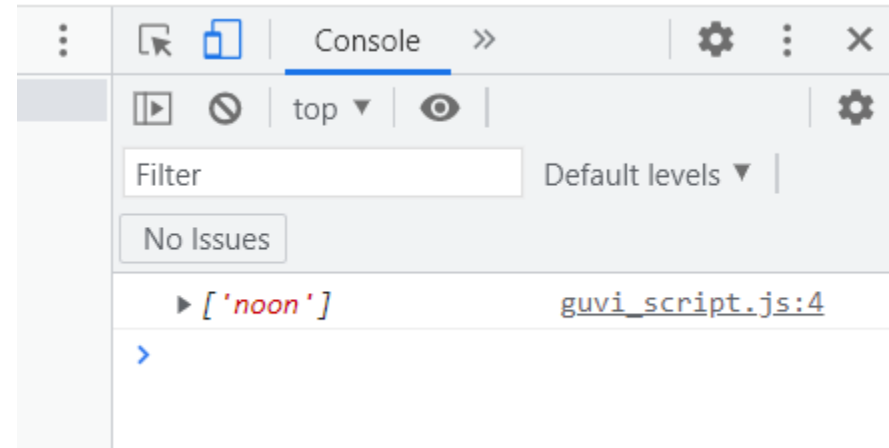```

# Day 5 - Activity

**Screenshots:**

**Vs Code**

**Console**

```
1  const getAllPalindromes = (words) =>
2      words.filter((word) => word.split("").reverse().join("") === word);
3
4  console.log(getAllPalindromes(["hello", "noon"]));
```

EXPLORER

JS notes.js   JS guvi_script.js ✕   <> index.html

∨ GUVI

JS guvi_script.js
<> index.html
JS notes.js
{} resume.json

Console »

Filter   Default levels ▼

No Issues

▶ ['noon']   guvi_script.js:4

>