

- Complete code for submit() function

```
function submit()
{
    var display_student_array = [];

    for (var j = 1; j <= 4; j++)
    {
        var name_of_the_student = document.getElementById("name_of_the_student_"+j).value;
        console.log(name_of_the_student);
        name_of_the_student_array.push(name_of_the_student);
    }

    console.log(name_of_the_student_array);

    var lenght_of_name_of_students_array = name_of_the_student_array.length;
    console.log(lenght_of_name_of_students_array);

    for (var k = 0; k < lenght_of_name_of_students_array; k++)
    {
        display_student_array.push("<h4>NAME - " + name_of_the_student_array[k] + "</h4>");
        console.log(display_student_array);
    }

    console.log(display_student_array);
    document.getElementById("display_name_with_commas").innerHTML = display_student_array;

    var remove_commas = display_student_array.join(" ");
    console.log(remove_commas);
    document.getElementById("display_name_without_commas").innerHTML = remove_commas;

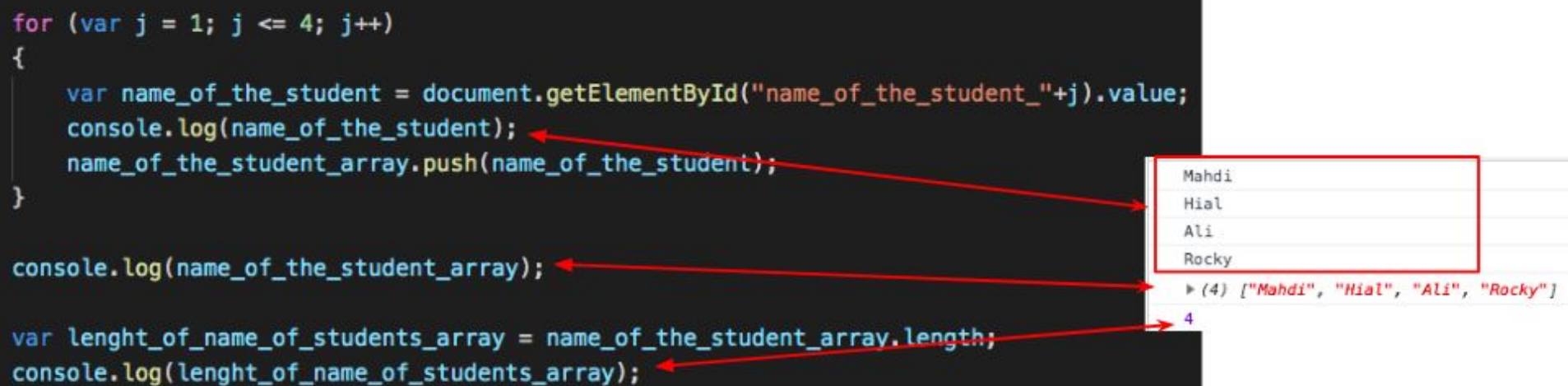
    document.getElementById("submit_button").style.display = "none";
    document.getElementById("sort_button").style.display = "inline-block";
}
```

Output -

```
for (var j = 1; j <= 4; j++)
{
    var name_of_the_student = document.getElementById("name_of_the_student_"+j).value;
    console.log(name_of_the_student);
    name_of_the_student_array.push(name_of_the_student);
}

console.log(name_of_the_student_array);

var lenght_of_name_of_students_array = name_of_the_student_array.length;
console.log(lenght_of_name_of_students_array);
```



The screenshot shows the browser console and a form. The form has four input fields with the following values: Mahdi, Hial, Ali, Rocky. The console shows the following output:

- Line 1: `console.log(name_of_the_student);` outputs: Mahdi, Hial, Ali, Rocky
- Line 2: `console.log(name_of_the_student_array);` outputs: `(4) ["Mahdi", "Hial", "Ali", "Rocky"]`
- Line 3: `console.log(lenght_of_name_of_students_array);` outputs: `4`

```

for (var k = 0; k < lenght_of_name_of_students_array; k++)
{
    display_student_array.push("<h4>NAME - " + name_of_the_student_array[k] + "</h4>");
    console.log(display_student_array);
}

console.log(display_student_array);
document.getElementById("display_name_with_commas").innerHTML = display_student_array;

var remove_commas = display_student_array.join(" ");
console.log(remove_commas);
document.getElementById("display_name_without_commas").innerHTML = remove_commas;

```

Browser Console Output:

```

Tmain.js:23 ▶ ["<h4>NAME - Mahdi</h4>"]
Tmain.js:23 ▶ (2) ["<h4>NAME - Mahdi</h4>", "<h4>NAME - Hial</h4>"]
Tmain.js:23 ▶ (3) ["<h4>NAME - Mahdi</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Ali</h4>"]
Tmain.js:23 ▶ (4) ["<h4>NAME - Mahdi</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Ali</h4>", "<h4>NAME - Rocky</h4>"]
Tmain.js:26 ▶ (4) ["<h4>NAME - Mahdi</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Ali</h4>", "<h4>NAME - Rocky</h4>"]
Tmain.js:30 <h4>NAME - Mahdi</h4> <h4>NAME - Hial</h4> <h4>NAME - Ali</h4> <h4>NAME - Rocky</h4>

```

DOM Output (display_name_with_commas):

```

NAME - Mahdi
NAME - Hial
NAME - Ali
NAME - Rocky

```

DOM Output (display_name_without_commas):

```

NAME - Mahdi
NAME - Hial
NAME - Ali
NAME - Rocky

```

• Code for sorting() function

```

function sorting()
{
    name_of_the_student_array.sort();
    console.log(name_of_the_student_array);

    var display_student_array_sorting = [];

    var lenght_of_name_of_students_array = name_of_the_student_array.length;
    console.log(lenght_of_name_of_students_array);

    for (var k = 0; k < lenght_of_name_of_students_array; k++)
    {
        display_student_array_sorting.push("<h4>NAME - " + name_of_the_student_array[k] + "</h4>");
        console.log(display_student_array_sorting);
    }

    var remove_commas = display_student_array_sorting.join(" ");
    console.log(remove_commas);

    document.getElementById("display_name_without_commas").innerHTML = remove_commas;
}

```

Output -

```

function sorting()
{
    name_of_the_student_array.sort();
    console.log(name_of_the_student_array);

    var display_student_array_sorting = [];

    var lenght_of_name_of_students_array = name_of_the_student_array.length;
    console.log(lenght_of_name_of_students_array);
}

```

Browser Console Output:

```

Tmain.js:42 ▶ (4) ["Ali", "Hial", "Mahdi", "Rocky"]
Tmain.js:47 4
Tmain.js:52 ▶ ["<h4>NAME - Ali</h4>"]
Tmain.js:52 ▶ (2) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>"]
Tmain.js:52 ▶ (3) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Mahdi</h4>"]
Tmain.js:52 ▶ (4) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Mahdi</h4>", "<h4>NAME - Rocky</h4>"]
Tmain.js:56 <h4>NAME - Ali</h4> <h4>NAME - Hial</h4> <h4>NAME - Mahdi</h4> <h4>NAME - Rocky</h4>

```



```
for (var k = 0; k < lenght_of_name_of_students_array; k++)
{
    display_student_array_sorting.push("<h4>NAME - " + name_of_the_student_array[k] + "</h4>");
    console.log(display_student_array_sorting);
}

var remove_commas = display_student_array_sorting.join(" ");
console.log(remove_commas);

document.getElementById("display_name_without_commas").innerHTML = remove_commas;
}
```

▶ (4) ["Ali", "Hial", "Mahdi", "Rocky"]
4
▶ ["<h4>NAME - Ali</h4>"]
▶ (2) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>"]
▶ (3) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Mahdi</h4>"]
▶ (4) ["<h4>NAME - Ali</h4>", "<h4>NAME - Hial</h4>", "<h4>NAME - Mahdi</h4>", "<h4>NAME - Rocky</h4>"]
<h4>NAME - Ali</h4> <h4>NAME - Hial</h4>
<h4>NAME - Mahdi</h4> <h4>NAME - Rocky</h4>

NAME - Ali
NAME - Hial
NAME - Mahdi
NAME - Rocky