

1. Write a loop that makes seven calls to `console.log` to output the following triangle:

```
#  
##  
###  
####  
#####  
#####  
#####
```

Program

```
var ans="#";  
for(let i=1;i<=7;i++)  
{  
  console.log(ans);  
  ans+="#";  
}
```

Output:

```
#  
##  
###  
####  
#####  
#####  
#####
```

2. `var myarray=[11,22,33,44,55]`

Write a code to count the elements in the array . Don't use length property

Program

```
function Length(s) {  
  var length = 0;  
  while (s[length] !== undefined)  
    length++;  
  return length;  
}
```

```
var myarray=[11,22,33,44,55];  
console.log(Length(myarray));
```

Output:

```
5
```

3. Create an array called `foods` holds the names of your top 20 favorite foods, starting with the best food.

```
let foods=[]
```

Foods variable holds the names of your top 20 favorite foods, starting with the best food. How can you find your fifth favorite food?

```
let foods=[]
```

Find the length of your foods array

Program

```
let food= ["idly","dosa","chapaathi","burger","sandwich","Briyani","parota","curdrice",  
"pizza","rasam","kalaki","Chicken","Mutton","Beef","Fish","palkova","BreadHalva","puri","  
pongal","SambarVada"];  
console.log("My favourite food is",food[5]);  
console.log(food.length);
```

Output:

```
My favourite food is Briyani  
20
```

4.Starting from the existing friends variable below, change the element that is currently “Mari” to “Munnabai”.

Program

```
let friends=["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];  
function dataHandling(input){  
  for (var i = 0; i < input.length; i++) {  
    if(friends[i]=="Mari")  
      friends[i]="Munnabai";  
  }  
}  
dataHandling(friends);  
console.log(friends);
```

Output:

```
[ 'Munnabai',  
  'MaryJane',  
  'CaptianAmerica',  
  'Munnabai',  
  'Jeff',  
  'AAK chandran' ]
```

5.Starting from the friends variable below, Loop and Print the names till you meet CaptianAmerica.

Program

```
let friends=["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];
function dataHandling(input){
  for (var i = 0; i < input.length; i++) {
    if(friends[i]=="CaptianAmerica")
      break;
    else
      console.log(friends[i]);
  }
}
dataHandling(friends);
```

Output:

```
Mari
MaryJane
```

6.Find the person is ur friend or not.

Program

```
let friends=["Mari","MaryJane","CaptianAmerica","Munnabai","Jeff","AAK chandran"];
function dataHandling(input, name){
  for (var i = 0; i < input.length; i++) {
    if(friends[i]==name)
      return "Friends";
  }
}
let found = dataHandling(friends,"Jeff");
console.log(found);
```

Output:

```
Friends
```

7.Sorting of friends in one array.

```
var friends1 = [
  "Mari",
  "MaryJane",
  "CaptianAmerica",
  "Munnabai",
  "Jeff",
  "AAK chandran"
];
```

```
var friends2 = [  
  "Gabbar",  
  "Rajinikanth",  
  "Mass",  
  "Spiderman",  
  "Jeff",  
  "ET"  
];  
  
function dataHandling(input){  
  console.log(friends.sort());  
}  
let friends=friends1.concat(friends2);  
dataHandling(friends);
```

Output:

```
[ 'AAK chandran',  
  'CaptianAmerica',  
  'ET',  
  'Gabbar',  
  'Jeff',  
  'Jeff',  
  'Mari',  
  'MaryJane',  
  'Mass',  
  'Munnabai',  
  'Rajinikanth',  
  'Spiderman' ]
```