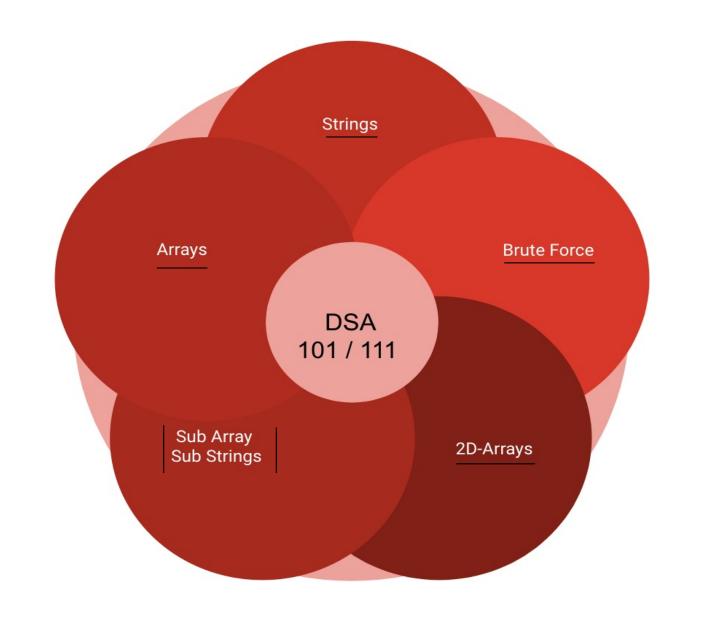
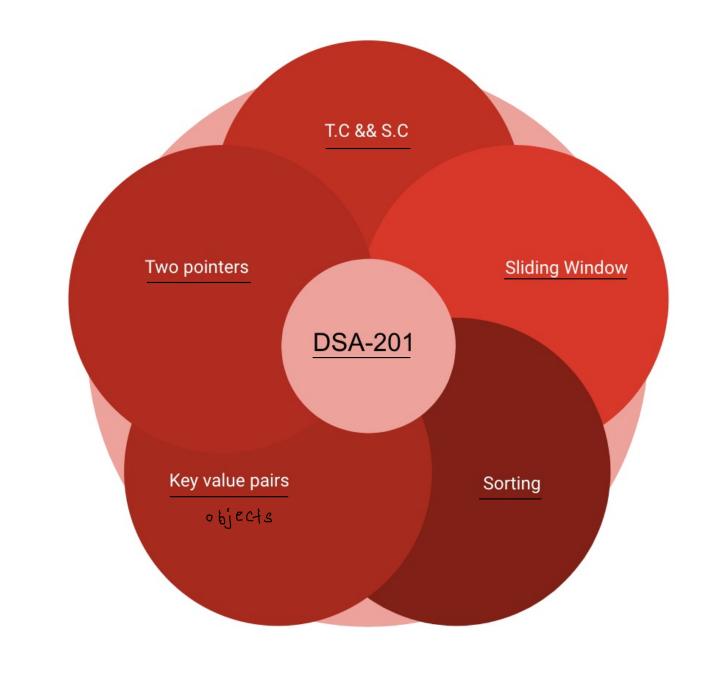
**DSA - 201** 

Sprint-1 [Day-1]





## 1-D Array

```
for(i=0;i<n;i++)
{

console.log(arr[i])
```

```
7 = N = 10
                                                                index.js \times +
                                                                                 Shell \times +
                                                                     Console ×
                                                                      10
20
   ... < <sub>2L</sub>
 <u>0</u> 1 arr=[] ✓ ✓
                                                                      30
         arr[0]=10 ↑
                                                                      40
                                                                      50
         arr[1]=20
                                                                      60
         arr[2]=30
                                                                      70
         arr[3]=40
                                                                      Hint: hit control+c anytime to enter REPL.
         arr[4]=50
                                                                      ١.
         arr[5]=60
         arr[6]=70
         for(let i=0;i<arr.length;i++)</pre>
     10 ▼
             console.log(arr[i]); /
10 12
```

```
Js > ...
  8 // arr[6]=70
  9 // for(let i=0;i<arr.length;i++)</pre>
 10 // {
    // console.log(arr[i]);
 12
     // }
                                              N. = 1000.
 13
               Dused to cruste object

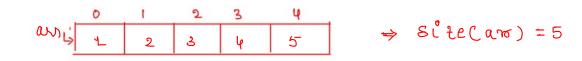
No Size

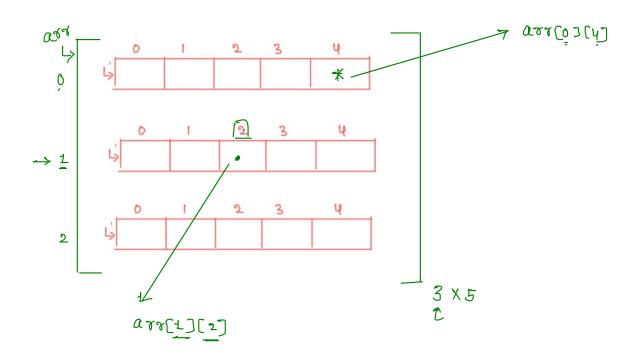
Array(n)
     let n=7✓
 14
 15
 16 ¥ let arr=new Array(n
 17
           2 none
                      GARRAY type
 18
      arr[0]=10
 19
      arr[1]=20
      arr[2]=30
 20
     arr[3]=40
 21
 22
     arr[4]=50
 23
     arr[5]=60
      arr[6]=70 \(\frac{1}{2}\)
 24
      for(let i=0;i<arr.length;i++)</pre>
 26 ▼
 27
          console.log(arr[i]);
 28
 20
```

```
10
20
30
40
50
60
70
Hint: hit control+c
```

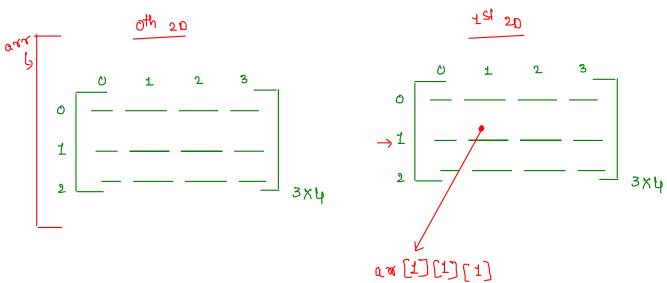
## 2D-Array

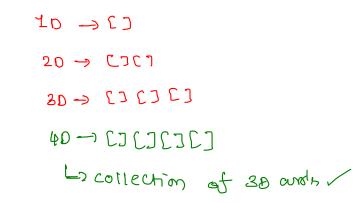
1> collection
of 10 Array's

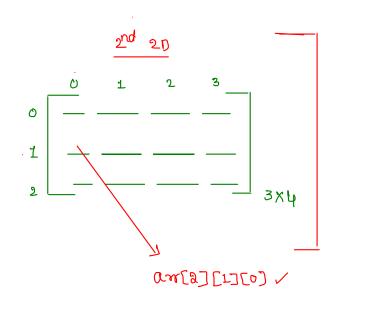




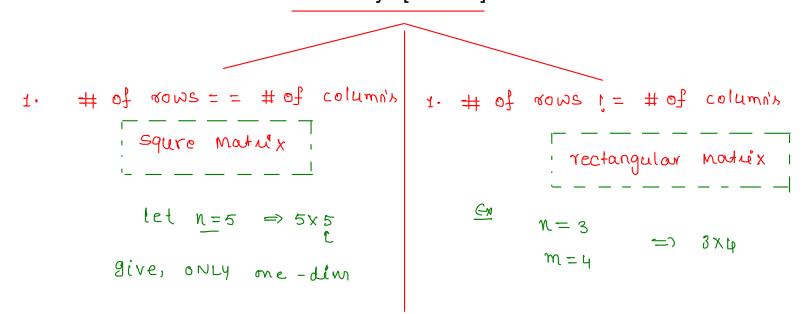
ly collection of 20-Array's



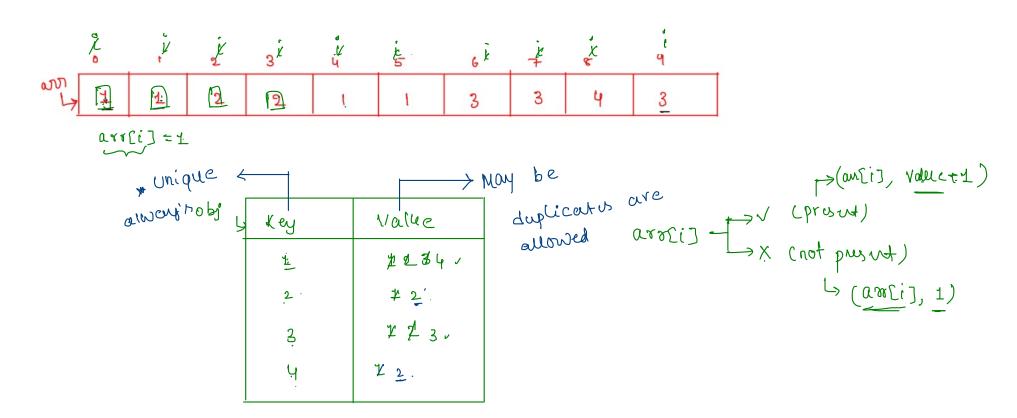


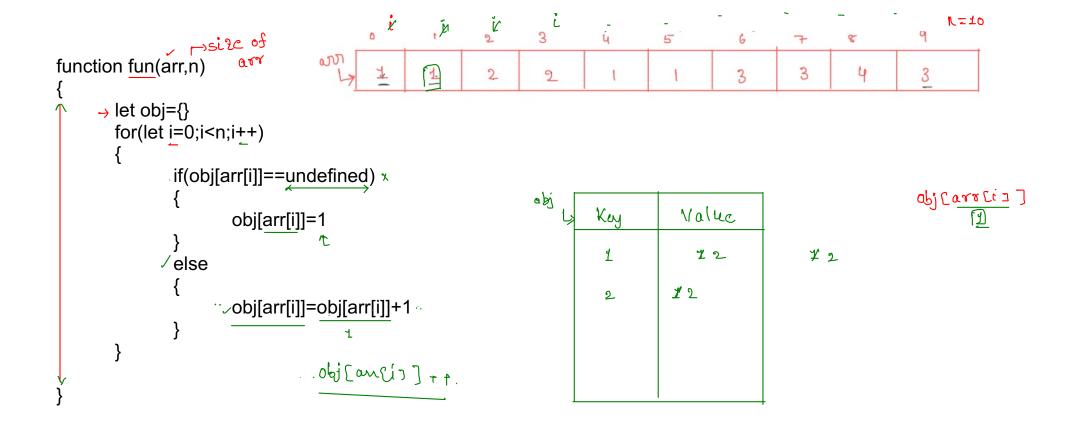


2-D Arrays [ Matrix ]



## Objects [Key-Value Pair]





```
function fun(arr,n)
      ↑ let obj={}
        for(let i=0;i<n;i++)
                if(obj[arr[i]]==undefined)
                       obj[arr[i]]=1
               else
                       obj[arr[i]]=obj[arr[i]]+1

→ let max=-infinity _<sub>Y</sub>

        let element=" "
       for(let key in obj)
                if(obj[key] > max)
                        max=obj[key]) ✓
                       element=key /
      <del>returm</del> element
         4 console. tog( element)
```

