DAY-3

Demo1.ts

```typescript
//array
//array is dynamically growable & shrinkable
//array does not have any fixed size
//u can store homogenous as well as hetrogenous data

let arr:number[];
let arr1:number[]=[6,7,8];
let arr2:number[]=[];
let arr3=[2,5,6,8];
let arr4:any[]=[2,'Ankush',true];
let arr5=[3.4,'Ankush',6];

// for(let i=0;i<arr1.length;i++){
//      console.log("Array value is "+ arr4[i])
// }

// console.log("Array is " + arr4);
// console.log("Display array using join method " +arr4.join("#"));
// console.log("Display array using join method " +arr4.join());

//ForeachLoop
//for finding out index values
arr4.forEach((myvalue,i)=>{
//console.log(myvalue + "index is " + i);
})

//rest parameter functions
//(...)=>Spread Iterator
//(...item:number)=Rest Paramter
function display(a:string,...item:number[]){
//console.log(item); //Gives the value in [5,6] format
//console.log(`Item is ${item} 1st paramter is ${a}`)
}

//display(3,55,66,4,11,22);...when string value was not added
display("Ankush",99,44,55);

//push & pop
//LIFO(Last In First Out) Principal
//data will add at the first & remove data from last

let a:number[]=[];
a.push(77);
console.log(a); //77
a.push(89,6,52);
```

```
console.log(a); //[77,89,6,52]
let res=a.pop();
console.log(a);[77,89,6]
console.log("Poped Value " + res)//52
```