

4.3 DO THE BELOW PROGRAMS IN ARROW FUNCTION

4.3.1 PRINT ODD NUMBERS IN AN ARRAY

```
let OddNum = (numbe) => {  
  let num =[];  
  for (let index in numbe ) {  
  
    if( numbe[index] % 2 === 1) {  
      num.push(numbe[index]);  
    }  
  }  
  
  console.log(num)  
}  
numbers = [8, 3, 7, 9, 4, 28, 99, 73, 805, 88, 62, 55]  
OddNum(numbers)
```

```
Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"  
[  
  3,   7,  9, 99,  
 73, 805, 55  
]
```

4.3.2 CONVERT ALL THE STRING TO TITLE CAPS IN A STRING ARRAY

```
let TitleCaps = (str) => {  
  for (let index in str){  
  
    if (!str){  
      console.log('no input');  
    }  
    str[index] = str[index].toLowerCase().split(' ');  
    str1 = str[index]  
    for (let i in str1) {  
      str1[i] = str1[i].charAt(0).toUpperCase() + str1[i].slice(1);  
      // console.log(str1);  
    }  
    console.log(str1.join(' '));  
  }  
}  
arr = ['devil', 'ikigai', 'swordsman', 'silent warrior devil']  
TitleCaps(arr)
```

```
[Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"  
Devil  
Ikigai  
Swordsman  
Silent Warrior Devil
```

4.3.3 SUM OF ALL NUMBERS IN AN ARRAY

```
let sum = (val) => {
  total = 0;
  for (let index in val){
    total = total + val[index];
  }
  console.log(total);
}
arr = [2, 4 , 55, 23, 55, 507, 23];
sum(arr)
```

```
[Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"
669
```

4.3.4 RETURN ALL PRIME NUMBERS IN AN ARRAY

```
let a = [5, 9, 63, 29, 35, 6, 55, 23, 7, 11]
let prime = [];

let isPrime = (item) => {
  let identifier = item / 2;
  for (let j = 2; j <= identifier; j++) {
    if ((item % j) == 0) {
      return false;
    }
  }
  return true;
}

for (let index = 0; index < a.length; index++) {
  if (isPrime(a[index])) {
    prime.push(a[index])
  }
}

console.log(prime);
```

```
Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"
[ 5, 29, 23, 7, 11 ]
```

4.3.5 RETURN ALL THE PALINDROMES IN AN ARRAY

```
let isPalindrome = (el) => {
  const str = String(el);
  let i = 0;
  let j = str.length - 1;
  while(i < j) {
    if(str[i] === str[j]) {
      i++;
      j--;
    }
    else {
      return false;
    }
  }
  return true;
};

let findPalindrome = function(arr) {
  return arr.filter(el => isPalindrome(el));
};

let arr = ['carecar', 1344, 12321, 'did', 'cannot'];
console.log(findPalindrome(arr));
```

```
Running] node "c:\Users\vicky\OneDrive\Desktop\zen\EXAMPLE.JS"
[ 12321, 'did' ]
```