

## Day-1

Date: 29-04-2024

1) Write a program that takes number as input, print the sum of odd digits in the given number

input: 54213

output:9

```
var a = prompt("enter");
sum=0;
for(i=0;i<a.length;i++){
    if(a[i]%2 != 0){
        sum= sum+ +a[i];
    }
}
console.log(sum)
```

2) Write a program to print the sum of even digits in the given numbers

input:542

output: 6

```
var a= prompt("enter");
sum=0;
for(i=0;i<a.length;i++){
    if(a[i]%2===0){
        sum=sum+Number(a[i]);
    }
}
console.log(sum);
```

3) Write a program to print the difference between even sum and odd sum in the given number.

input: 16534

output:1

```
var b=prompt("enter number");
sum=0;
sub=0;
for(i=0;i<b.length;i++){
    if(b[i]%2==0){
        // console.log(b[i])
        sum+=+b[i]
    }else{
        sub+=+b[i]
    }
}
console.log( "even",sum)
console.log("odd",sub)
if(sum>sub){
    console.log(sum-sub)
}
else{
    console.log(sub-sum)
}
```

4) Write a program to print the largest sum between odd sum and even sum.

input: 9474

output: Odd sum is bigger

input: 1658

output: Even sum is bigger

```
var a=prompt("enter");
sum=0;
sum1=0;
for(i=0;i<a.length;i++){
    if(a[i]%2==0){
        sum+=+a[i]
    }
    else if(a[i]%2!=0){
        sum1+=+a[i]
    }
}
console.log("even",sum);
console.log("odd",sum1);
if(sum>sum1){
    console.log("even num is biggest");
}
else{
    console.log("odd num is biggest");
}
```