

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

```
const prompt=require('prompt-sync')();
const numb=prompt("enter a number");
sum=0;
for(i=0;i<numb.length;i++)
{
    if(numb[i]%2==1)
    {
        sum=sum+Number(numb[i]);
    }
}

console.log(sum);
```

```
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> node oddsum.js
enter a number54213
9
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> █
```

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

```
const prompt=require('prompt-sync')();
const numb=prompt("enter a number");
sum=0;
for(i=0;i<numb.length;i++)
{
    if(numb[i]%2==0)
    {
        sum=sum+Number(numb[i]);
    }
}
```

```

    }
}

console.log(sum);

```

```

PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> node evensum.js
enter a number542
6
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29>

```

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

```

const prompt=require('prompt-sync')();

let num=prompt("enter a number");

evensum=0;

oddsun=0;

for(i=0;i<num.length;i++)

{

    if(num[i]%2==0)

    {

        evensum=evensum+Number(num[i]);

    }

    else{

        oddsun=oddsun+Number(num[i]);

    }

}

console.log(`Difference between oddsun and evensum = ${evensum-oddsun}`);

```

```

PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> node diffevenodd.js
enter a number16534
Difference between oddsun and evensum=1
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29>

```

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

```
const prompt=require('prompt-sync')();  
let num=prompt("enter a number");  
evensum=0;  
oddsun=0;  
for(i=0;i<num.length;i++)  
{  
    if(num[i]%2==0)  
    {  
        evensum=evensum+Number(num[i]);  
    }  
    else{  
        oddsun=oddsun+Number(num[i]);  
    }  
}  
if(evensum>oddsun)  
{  
    console.log("Even Sum is bigger");  
}  
else{  
    console.log("oddsun is bigger");  
}
```

```
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> node largesum.js  
enter a number9474  
oddsun is bigger  
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> node largesum.js  
enter a number1658  
Even Sum is bigger  
PS C:\Users\USER\Desktop\10k coders\Problem solving\April29> █
```