

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

```
var num=prompt("enter a number :")
var sum=0
for(i=0;i<num.length;i++){
    if(Number(num[i])%2==1){
        sum=sum+Number(num[i])
    }
}
console.log(sum)
```

```
PS C:\Users\katta\OneDrive\Desktop\Amruth\JS> node probsolv1.js
enter a number :54213
9
```

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

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

```
PS C:\Users\katta\OneDrive\Desktop\Amruth\JS> node probsolv1.js
enter a number :542
6
```

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

```
var num=prompt("enter a number :")
var sum=0
count=0
for(i=0;i<num.length;i++){
    if(Number(num[i])%2==0){
        sum=sum+Number(num[i])
    }
    else if(Number(num[i])%2==1){
        count=count+Number(num[i])
    }
}
console.log(sum)
console.log(count)
if(sum>count){
    console.log(sum-count);
}
else{
```

```

    console.log(count-sum)
  }
}
PS C:\Users\katta\OneDrive\Desktop\Amruth\JS> node probsolv1.js
enter a number :16534
1

```

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

```

var num=prompt("enter a number :")
var sum=0
count=0
for(i=0;i<num.length;i++){
    if(Number(num[i])%2==0){
        sum=sum+Number(num[i])
    }
    else if(Number(num[i])%2==1){
        count=count+Number(num[i])
    }
}
console.log(sum)
console.log(count)
if(sum>count){
    console.log("Even sum is bigger");
}
else{
    console.log("Odd sum is bigger")
}
}

```

```

PS C:\Users\katta\OneDrive\Desktop\Amruth\JS> node probsolv1.js
enter a number :123456
Even sum is bigger
PS C:\Users\katta\OneDrive\Desktop\Amruth\JS> node probsolv1.js
enter a number :1598
Odd sum is bigger

```