

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

```
1  let prompt=require(`prompt-sync`());
2  let num=prompt("Enter the number:");
3  var sum=0;
4  for(i=0;i<num.length;i++){
5      |   if(num[i]%2==1){
6          |       sum=sum+Number(num[i]);
7          |   }
8  }
9  console.log(sum);
10
11
12
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\Users\lenovo\Desktop\JavaScript> node problem1.js

Enter the number:54213

9

PS C:\Users\lenovo\Desktop\JavaScript>

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

```
5   let prompt=require(`prompt-sync`());
6   let num=prompt("Enter the number:");
7   var count=0;
8   for(i=0;i<num.length;i++){
9       if(num[i]%2==0){
10          count+=Number(num[i])
11      }
12  }
13  console.log(count);
15
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   **TERMINAL**   PORTS

```
PS C:\Users\lenovo\Desktop\JavaScript> node problem2.js
Enter the number:542
6
PS C:\Users\lenovo\Desktop\JavaScript> █
```

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

```
5  const prompt=require('prompt-sync')();
6  var num=prompt("Enter the Number:");
7  let sum=0;
8  let count=0;
9  for(i=0;i<num.length;i++){
10     if(num[i]%2<1){
11         sum+=Number(num[i]);
12     }
13     else let count: number
14         count+=Number(num[i])
15     }
16 }
17 res=sum-count;
18 console.log(res);
19
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

POP

PS C:\Users\lenovo\Desktop\JavaScript> node prom

Enter the Number:16534

1

PS C:\Users\lenovo\Desktop\JavaScript>

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

```
8   const prompt=require(`prompt-sync`());
9   var num=prompt("Enter the Number:");
10  let evensum=0;
11  let oddsum=0;
12  for(i=0;i<num.length;i++){
13      if(num[i]%2==0){
14          evensum+=Number(num[i]);
15      }
16      else{
17          oddsum+=Number(num[i]);
18      }
19  }
20  if(evensum>oddsum){
21      console.log("Even sum is bigger")
22  }
23  else{
24      console.log("Odd sum is bigger")
25  }
```

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

```
PS C:\Users\lenovo\Desktop\JavaScript> node problem4.js
Enter the Number:9474
Odd sum is bigger
PS C:\Users\lenovo\Desktop\JavaScript> node problem4.js
Enter the Number:1658
Even sum is bigger
PS C:\Users\lenovo\Desktop\JavaScript> 
```