PROBLEM SOLVING

1)product of digits in a number:

num = prompt("enter a number :")

mul=1

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

mul\*=Number(num[i])

}

console.log(mul)

2)print the numbers from -1 to -10(do not use >=)

num = +prompt("enter a number :")

for(i=-1;i>num-1;i--){

console.log(i)

}

3)print the numbers from -10 to -1(do not use <=)

num = +prompt("enter a number :")

for(i=num;i<0;i++){

console.log(i)

}

4)print the numbers from 10 to 1

num = +prompt("enter a number :")

for(i=num;i>=0;i--){

console.log(i)

}

5)print sum of odd digits in a number

num =prompt("enter a number :")

sum=0

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

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

sum+=Number(num[i])

}

}

console.log(sum)

6)print difference between even sum and odd sum

num = +prompt("enter a number :")

even=0

odd=0

for(i=0;i<=num;i++){

if(i%2==0){

even+=i

}

else{

odd+=i

}

}

let diff = "even"-"odd"

console.log(diff)

7)check whether even sum is greater or odd sum is greater

num = +prompt("enter a number :")

let even=0

let odd=0

for(i=0;i<=num;i++){

if(i%2==0){

even+=i

}

else{

odd+=i

}

}

if(even>odd){

console.log("sum of even numbers is greater than sum of odd")

}

else if(even<odd){

console.log("sum of even numbers is lesser than sum of odd")

}

else{

console.log("sum of even numbers is equal to sum of odd")

}