**1) Program to print 1 to num, num to 1, -1 to -num, -num to -1 by using while loop.**

**To print 1 to num**

num=5

let i1=1;

while (!(i1>=num+1)) {

console.log(i1)

i1++

}

**To print num to 1**

num=5

let i2=num;

while (!(i2<=0)) {

console.log(i2)

i2--

}

**To print -1 to -num**

num=-5

let i3=-1;

while (!(i3<=num-1)) {

console.log(i3)

i3--

}

**To print -num to -1**

num=-5

let i4=num;

while(!(i4>=0)){

console.log(i4)

i4++

}

**2) Write a program to find the largest prime in the given number**

**input: 46537**

**output: 7**

num=prompt("enter a number: ")

num="46537"

max=0;

for(n of num){

if(n>1){

c=true

for(i=2;i<n;i++){

if(n%i==0){

c=false

break

}

}

if(c){

if(max<n)

max=n;

}

}

}

console.log("The largest prime number is:"+max);

**3) Write a program to print the sum of largest and smallest prime digits in the given number**

**input: 5497351**

**output: 10**

num="46537"

max=0;

min=num[0];

for(n of num){

if(n>1){

c=true

for(i=2;i<n;i++){

if(n%i==0){

c=false

break

}

}

if(c){

if(max<n)

max=Number(n);

if(min>n)

min=Number(n);

}

}

}

console.log("The largest prime number is:"+max);

console.log("The smallest prime number is:"+min);

console.log("The sum of largest and smallest prime numbers is:",max+min);

**4) Write a program to print the largest non prime digit in the given number**

**input: 463482**

**output: 8**

num="463482"

max=0;

min=num[0];

for(n of num){

if(n>1){

c=true

for(i=2;i<n;i++){

if(n%i==0){

c=false

if(max<n)

max=Number(n);

break

}

}

}

}

console.log("The largest Non p