Solution Code

```java
import java.util.*;
public class SmithNumberExample1
{
static int findSumPrimeFactors(int n)
{
int i=2, sum=0;
while(n>1)
{
if(n%i==0)
{
sum=sum+findSumOfDigit(i);
n=n/i;
}
else
{
do
{
i++;
}
while(!isPrime(i));
}
}
return sum;
}
static int findSumOfDigit(int n)
{
int s=0;
```

```
 while(n>0)
{  s=s+n%10;
n=n/10;   }  return s;  }
static boolean isPrime(int k)
{ boolean b=true;
int d=2;
while(d<Math.sqrt(k))
{
if(k%d==0)
{
b=false;
}
d++;
}
return b;  }
public static void main(String args[])
{  Scanner sc = new Scanner(System.in);
System.out.print("Enter a number: ")
int n=sc.nextInt();
int a = findSumOfDigit(n);
int b = findSumPrimeFactors(n);
System.out.println("Sum of Digits of the given number is = "+a);
System.out.println("Sum of digits of its prime factors is = "+b);
if(a==b)
System.out.print("The given number is a smith number.");
else
System.out.print("The given number is not a smith number.");
}
}
```