import java.util.\*; //Program to find Smith Number

public class Smith\_Number // Class Name

{

static Scanner sc = new Scanner(System.in);

public int SumDigit(int n) { // Member Function of Sum of digit

int r,s=0;

while(n>0) {

r = n % 10;

s = s + r;

n = n / 10;

}

return s;

}

public int SumPrimeFact(int n) { // Member Function for Sum of Factor

int i=2,sum=0; // local Variable

while(n>1) {

if(n%i==0) {

sum = sum + SumDigit(i); // Parameterised Method Call.

n = n / i;

} else {

i++;

}

}

return sum; // returning the sum

}

public static void main() { // Main Method

Smith\_Number ob = new Smith\_Number();

System.out.println("Enter a Number: ");

int n1 = sc.nextInt();

int a = ob.SumDigit(n1);

int b = ob.SumPrimeFact(n1); // Member Function calling using object

if(a==b)

System.out.println("Smith Number");

else

System.out.println("Not Smith Number");

} // End of main

} // End of class