#include<stdio.h>

int main()

{

 int num,i,fact,r,sum=0,temp;

 printf("Please enter a number to find strong number");

 scanf("%d",&num);

 temp=num;

 while(num)

 {

     i=1,fact=1;

     r=num%10;

     while(i<=r)

     {

        fact=fact\*i;

        i++;

     }

     sum=sum+fact;

     num=num/10;

}

 if(sum==temp)

  printf("\nThe number %d is a strong number",temp);

 else

  printf("\nThe number %d is not a strong number",temp);

 return 0;

}