#include<stdio.h>

int main(){

  int num,i,f,r,sum=0,temp;

  printf("Enter a number: ");

  scanf("%d",&num);

  temp=num;

  while(num){

      i=1,f=1;

      r=num%10;

      while(i<=r){

         f=f\*i;

        i++;

      }

      sum=sum+f;

      num=num/10;

  }

  if(sum==temp)

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

  else

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

  return 0;

}

Sample output:

Enter a number: 145

145 is a strong number