#include<stdio.h>

#include<math.h>

int main()

{

int num,originalNum,remainder,n=0,result=0;

printf("Enter an integer:");

scanf("%d",&num);

originalNum = num;

for(originalNum=num;originalNum!=0;n++)

{

originalNum/=10;

}

for(originalNum=num;originalNum!=0;originalNum/=10)

{

remainder=originalNum%10;

result+=pow(remainder,n);

}

if((int)result==num)

printf("%d is an Armstrong number.",num);

else

printf("%d is not an Armstrong number.",num);

return 0;

}



