#include<stdio.h>

int main()

{

int org,num,std,rem=0,total=0,count=0,power=1;

printf("enter your number");

scanf("%d",&num);

org=num;

std=num;

while(std!=0)

{

std=std/10;

count++;

}

while(num!=0)

{

rem=num%10;

for(int i=1;i<=count;i++)

{

power=power\*rem;

}

total=total+power;

num=num/10;

power=1;

}

if(total==org)

{

printf("armstrong = %d",org);

}

else

{

printf("not armstrong = %d",org);

}

}

Output:

