//\*armstrong no using function\*//

#include<stdio.h>

int length(int);

int power(int,int);

int main()

{

int n,d,sum=0,n1,L;

printf("enter the value of n\n");

scanf("%d",&n);

L=length(n);

n1=n;

while(n!=0)

{

d=n%10;

sum=sum+power(d,L);

n=n/10;

}

if(sum==n1)

printf("armstrong no");

else

printf(" not armstrong no");

return 0;

}

int length(int x)

{

int c=0;

while(x!=0)

{

c++;

x=x/10;

}

return c;

}

int power(int x,int y)

{

int mul=1,i;

for(i=1;i<=y;i++)

mul=mul\*x;

return mul;

}

