|  |
| --- |
| import java.util.\*; |
|  |  |
|  | class ArmstrongOrNot{ |
|  | int numDigit(int a) { |
|  | int i=0; |
|  | while(a!=0) |
|  | { |
|  | i++; |
|  | a=a/10; |
|  | } |
|  | return i; |
|  | } |
|  | int pow(int a,int b) |
|  | { |
|  | if(b==0) |
|  | return 1; |
|  | if(b%2==0) |
|  | return pow(a,b/2)\*pow(a,b/2); |
|  | return a\*pow(a,b/2)\*pow(a,b/2); |
|  | } |
|  | public boolean armstrongCheck(int num) { |
|  | int x=numDigit(num); |
|  | int temp=num, sum=0; |
|  | while(temp>0) |
|  | { |
|  | int l=temp%10; |
|  | sum=sum+pow(l,x); |
|  | temp=temp/10; |
|  | } |
|  | return(sum==num); |
|  |  |
|  | } |
|  | } |
|  | public class Assignment1Q1 { |
|  |  |
|  | public static void main(String[] args) { |
|  | Scanner sc=new Scanner(System.in); |
|  | ArmstrongOrNot ob=new ArmstrongOrNot(); |
|  | int n=sc.nextInt(); |
|  | boolean f=ob.armstrongCheck(n); |
|  | if(f==true) { |
|  | System.out.println("Yes"); |
|  | } |
|  | else { |
|  | System.out.println("No"); |
|  | } |
|  | } |
|  |  |
|  | } |