

```
import java.util.Scanner;
import java.lang.Math;
class Main
{
    static boolean isArmstrong(int num)
    {
        int r=0,digit=0,sum=0;
        while(num>0)
        {
            num=num/10;
            digit++;
        }
        while(num>0)
        {
            r=num%10;
            sum+=(Math.pow(r,digit));
            num=num/10;
        }
        if(num==sum)
        {
            return true;
        }
        else
        {
            return false;
        }
    }
    public static void main(String[] args)
    {
        Scanner input=new Scanner(System.in);
        int num=input.nextInt();
        if(isArmstrong(num))
        {
            System.out.println("Armstrong number");
        }
        else
        {
            System.out.println("Not an Armstrong number");
        }
    }
}
```