**Armstrong number**

**public class MyArmstrongNumber {**

**public boolean isArmstrongNumber(int number){**

**int tmp = number;**

**int noOfDigits = String.valueOf(number).length();**

**int sum = 0;**

**int div = 0;**

**while(tmp > 0)**

**{**

**div = tmp % 10;**

**int temp = 1;**

**for(int i=0;i<noOfDigits;i++){**

**temp \*= div;**

**}**

**sum += temp;**

**tmp = tmp/10;**

**}**

**if(number == sum) {**

**return true;**

**} else {**

**return false;**

**}**

**}**

**public static void main(String a[]){**

**MyArmstrongNumber man = new MyArmstrongNumber();**

**System.out.println("Is 371 Armstrong number? "+man.isArmstrongNumber(371));**

**System.out.println("Is 523 Armstrong number? "+man.isArmstrongNumber(523));**

**System.out.println("Is 153 Armstrong number? "+man.isArmstrongNumber(153));**

**}**

**}**

|  |
| --- |
| Output: |
| Is 371 Armstrong number? true  Is 523 Armstrong number? false  Is 153 Armstrong number? true |