## Java Program To Check Armstrong Number



This java program checks if a number is Armstrong or not. Armstrong number is a number which is equal to sum of digits raise to the power total number of digits in the number. Some Armstrong numbers are: 0, 1, 4, 5, 9, 153, 371, 407, 8208 etc.

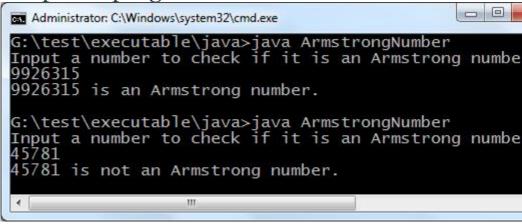
## Java programming code

```
import java.util.Scanner;
class ArmstrongNumber
  public static void main(String args[])
      int n, sum = 0, temp, remainder, digits = 0;
      Scanner in = new Scanner(System.in);
      System.out.println("Input a number to check if it is
an Armstrong number");
      n = in.nextInt();
      temp = n;
      // Count number of digits
      while (temp != 0) {
         digits++;
         temp = temp/10;
      temp = n;
      while (temp != 0) {
         remainder = temp%10;
         sum = sum + power(remainder, digits);
         temp = temp/10;
      }
```

## http://freepdf-books.com

Download Armstrong number program class file.

Output of program:



Using one more loop in the above code you can generate Armstrong numbers from 1 to n(say) or between two integers (a to b).