

Armstrong number

Programiz
Online Java Compiler

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Main.java

```
1- import java.util.Scanner;
2- public class ArmstrongBetweenTwoNumbers {
3-     public static void main(String args[]){
4-         int num1, num2;
5-         Scanner sc = new Scanner(System.in);
6-         System.out.println("Enter the first number ::");
7-         num1 = sc.nextInt();
8-         System.out.println("Enter the second number ::");
9-         num2 = sc.nextInt();
10-
11-         for (int i = num1; i<num2; i++){
12-             int check, rem, sum = 0;
13-             check = i;
14-             while(check != 0) {
15-                 rem = check % 10;
16-                 sum = sum + (rem * rem * rem);
17-                 check = check / 10;
18-             }
19-             if(sum == i){
20-                 System.out.println(" "+i+" ");
21-             }
22-         }
23-     }
24- }
```

Run

Output

```
java -cp /tmp/z1YQ2s/rUKJ/ArmstrongBetweenTwoNumbers
Enter the first number ::
2
Enter the second number ::
1000
153
370
371
407

=== Code Execution Successful ===
```

Square pattern

Main.java

```
1- public class Main {
2-     public static void main(String[] args) {
3-         int n = 5;
4-
5-         for (int i = 0; i < n; i++) {
6-             for (int j = 0; j < n; j++) {
7-                 if (i == 0 || i == n - 1 || j == 0 || j == n - 1)
8-                     System.out.print("* ");
9-                 else
10-                     System.out.print(" ");
11-             }
12-             System.out.println();
13-         }
14-     }
15- }
```

Run

Output

```
java -cp /tmp/ToTnVa93cz/Main
*****
*   *
*   *
*   *
*****

=== Code Execution Successful ===
```

LCM of 2 numbers

Main.java

```
1
2- import java.util.Scanner;
3- class HelloWorld {
4-     public static void main(String[] args) {
5-         int n1,n2,lcm;
6-         Scanner sc=new Scanner(System.in);
7-         System.out.println("enter 1st number");
8-         n1=sc.nextInt();
9-         System.out.println("enter 2nd number");
10-        n2=sc.nextInt();
11-
12-        lcm = (n1 > n2) ? n1 : n2;
13-
14-        while(true) {
15-            if( lcm % n1 == 0 && lcm % n2 == 0 ) {
16-                System.out.printf("The LCM of %d and %d is %d.", n1, n2, lcm);
17-                break;
18-            }
19-            ++lcm;
20-        }
21-    }
22- }
23
```

Run

Output

```
java -cp /tmp/p4xGg8JVHn/HelloWorld
enter 1st number
5
enter 2nd number
6
The LCM of 5 and 6 is 30.
=== Code Execution Successful ===
```

