

Java Week 1:Q4

Due on 2020-10-01, 23:59 IST

Complete the code segment to check whether the number is an Armstrong number or not.

Private Test cases used for evaluation

Test Case 1

Test Case 2

Test Case 3

Input	Expected Output	Actual Output	Status
203	0	0	Passed
0	1	1	Passed
1	1	1	Passed

The due date for submitting this assignment has passed.

3 out of 3 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-01, 09:02 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercisel_4 {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int n=sc.nextInt();
6         int result=0;
7         //Use while loop check the number is Armstrong or not.
8         //store the output(1 or 0) in result variable.
9         int sum=0, copy=n;
10        while (n>0)
11        {
12            sum += Math.pow((n%10), 3);
13            n /= 10;
14        }
15        System.out.print((sum == copy) ? 1 : 0);
16    }
17 }
18 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Exercisel_4 {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int n=sc.nextInt();
6         int result=0;
7         int temp=n;
8         int c=0,t;
9         //Use while loop to check the number is Armstrong or not.
10        while(n>0)
11        {
12            t=n%10;
13            n=n/10;
14            c=c+(t*t*t);
15        }
16        if(temp==c)
17            result=1;
18        else
19            result=0;
20        //Evaluation code
21        System.out.println(result);
22    }
23 }
```

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

- Lecture 01 : Introduction
- Lecture 02 : Java Programming Steps
- Lecture 03 : Java Tools and Resources
- Lecture 04 : Demonstration-I
- Lecture 05 : Java Applet Programming
- Quiz: Assignment 1
- Java Week 1:Q1
- Java Week 1:Q2
- Java Week 1:Q3
- Java Week 1:Q4
- Java Week 1:Q5
- Feedback For Week 1

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)