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	Input	Expected Output	Actual Output	Status
Test Case 1	203	0	0	Passed
Test Case 2	0	1	1	Passed
Test Case 3	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 Exercise1_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
16 System.out.print((sum == copy) ? 1 : 0);
17  }
18 }
```

Sample solutions (Provided by instructor)

```
1  import java.util.Scanner;
2  public class Exercise1_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 }
```