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Java Week 1:Q4

Due on 2020-02-13, 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\n	Passed
Test Case 2	0	1	1\n	Passed
Test Case 3	1	1	1\n	Passed

Due Date Exceeded.
3 out of 3 tests passed.
You scored 100.0/100.

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  int sum=0,rem=0,a=n;
8
9  while(n>0){
10 rem=n%10;
11   sum=sum+(rem*rem*rem);
```

```
  n/=10;
}
if(sum==a){
System.out.println("1");
}
else{
  System.out.println("0");
}
//Use while loop check the number is Armstrong or not.
//store the output(1 or 0) in result variable.
 }
}
```

Sample solutions (Provided by instructor)

Select the Language . Java ▼

```
import java.util.Scanner;
public class Exercise1_4 {
    public static void main(String[] args) {
       Scanner sc = new Scanner(System.in);
       int n=sc.nextInt();
           int result=0;
int temp=n;
int c=0,t;
//Use while loop to check the number is Armstrong or not.
    while(n>0)
    {
        t=n%10;
        n=n/10;
        c=c+(t*t*t);
    }
    if(temp==c)
        result=1;
    else
        result=0;
    //Evaluation code
    System.out.println(result);
 }
}
```

Assignment Solution