

Java Week 1:Q3

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

Consider first n even numbers starting from zero(0). Complete the code segment to calculate sum of all these numbers divisible by 3. Print the sum.

Example:

Input: n = 5

0 2 4 6 8

Even number divisible by 3: 0 6

sum: 6

Private Test cases used for evaluation

Test Case 1

Test Case 2

Input	Expected Output	Actual Output	Status
1	0	0	Passed
2	0	0	Passed

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-10-01, 09:15 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Exercise1_3 {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int n=sc.nextInt();
6         int sum=0;
7         //Use for or while loop do the operation
8
9         for (int i = 0; i <= (2*n-2); i+=2)
10         {
11             if (i%3 == 0)
12             {
13                 sum += i;
14             }
15         }
16         System.out.print(sum);
17     }
18 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Exercise1_3 {
3     public static void main(String[] args) {
4         Scanner sc = new Scanner(System.in);
5         int n=sc.nextInt();
6         int sum=0;
7         int result=1;
8         int i=0;
9         while(result<=n)
10         {
11             if(i%2==0)
12             {
13                 if(i%3==0)
14                 {
15                     sum=sum+i;
16                 }
17             }
18             result=result+1;
19             i=i+1;
20         }
21         System.out.println(sum);
22     }
23 }
24 }
```

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)