

Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

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)

• Java SET-II : Q1

• Java SET-II : Q2

• Java SET-II : Q3

• Java SET-II : Q4

• Java SET-II : Q5

Java SET-II : Q1

Due on 2021-04-11, 22:00 IST

The following program is intended to *calculate the sum of first 'n' odd integer numbers*. Write the appropriate statement to complete the program given below.

Note: Read the "n" value from keyboard.

For example :

n=3

sum=1+3+5=9

Private Test cases used for evaluation

Test Case 1

Test Case 2

The due date for submitting this assignment has passed.

2 out of 2 tests passed.

You scored 100.0/100.

Assignment submitted on 2020-12-12, 20:13 IST

Your last recorded submission was :

```
1 import java.util.Scanner;
2 public class Question1 {
3     public static void main(String[] args) {
4
5         //Read the value of "n".
6
7         //Find the sum of first n odd integers.
8
9         Scanner scan = new Scanner(System.in);
10        int n = scan.nextInt();
11        int sum = 0;
12
13        for (int i=1; i<=2*n-1; i=i+2)
14        {
15            sum += i;
16        }
17        System.out.print(sum);
18    }
19 }
20 }
```

Sample solutions (Provided by instructor)

```
1 import java.util.Scanner;
2 public class Question1 {
3     public static void main(String[] args) {
4
5         Scanner sc = new Scanner(System.in);
6         int n=sc.nextInt();
7         int sum=0;
8         int result=1;
9         int i=0;
10        while(result<=n)
11        {
12            if(i%2!=0)
13            {
14                sum=sum+i;
15                result=result+1;
16            }
17            i=i+1;
18        }
19        System.out.print(sum);
20    }
21 }
22 }
```

Input	Expected Output	Actual Output	Status
1	1	1	Passed
9	81	81	Passed