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NPTEL (https://swayam.gov.in/explorer?ncCode=NPTEL) » Problem Solving Through Programming In C (course)

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Week 4 : Programming Assignment 4

Due on 2023-08-24, 23:59 IST

Write a Program to find the sum of all even numbers from 1 to N where the value of N is taken as input. [For example when N is 10 then the sum is 2+4+6+8+10 = 30]

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	25	Sum = 156	Sum = 156	Passed
Test Case 2	30	Sum = 240	Sum = 240	Passed

The due date for submitting this assignment has passed.
2 out of 2 tests passed.
You scored 100.0/100.

Assignment submitted on 2023-08-23, 20:51 IST

Your last recorded submission was :

```
1  #include <stdio.h>
2  void main()
3  {
4  int N, sum=0;
5  scanf("%d", &N); /* The value of N is taken from the test cases */
6
7  /* Complete the program. Please use the printf statement given below to
8  exactly match your output with the test cases.
9
10 printf("Sum = %d", sum);
11
12 */
13 for(int i=1;i<=N;i++)
14 {
15    if(i%2==0)
16    {
17       sum=sum+i;
18    }
19 }
20 printf("Sum = %d",sum);
```

Course outline

How does an NPTEL online course work? ()

Week 0 : ()

Week 1 ()

Week 2 ()

Week 3 ()

Week 4 ()

Week 5 ()

```
21    }
```

Sample solutions (Provided by instructor)

```
 1  #include <stdio.h>
 2  void main()
 3  {
 4  int N, sum=0;
 5  scanf("%d", &N); /* The value of N is taken from the test cases */
 6
 7  /* Complete the program. Please use the printf statement given below to
 8  exactly match your output with the test cases.
 9
10  printf("Sum = %d", sum);
11
12  */
13  int i;
14  for (i = 1; i <= N; i++)
15  {
16  if (i % 2 == 0)
17  sum = sum + i;
18  }
19  printf("Sum = %d", sum);
20  }
```