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10. Calculate the sum

# Program

#include <stdio.h>

int main()

{

int i, N = 0;

double sum = 0.0;

printf("Input the value of N: ");

scanf("%d", &N);

for (i = 0; i < N; i++)

{

sum = sum + 1.0/(i+1);

}

printf("The sum of the series is %f", sum);

return 0;

}

# Output

* Input the value of N: 12

The sum of the series is 3.103211

* Input the value of N: 6

The sum of the series is 2.450000

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