

Write a C program:

- Enter a positive integer n (if $n \leq 0$ then print out “Invalid input!”)
- Print out the sum S (round with 4 digits after the decimal point)

$$S = 1 + \frac{1}{1.2} + \frac{1}{2.3} + \dots + \frac{1}{n(n+1)}$$

```
Enter a positive number, n = -5
Invalid input!
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Process exited after 3.749 seconds with return value 0
Press any key to continue . . .
```

```
Enter a positive number, n = 5
Sum S = 1.8333
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Process exited after 5.049 seconds with return value 0
Press any key to continue . . .
```

```
Enter a positive number, n = 7
Sum S = 1.8750
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Process exited after 5.356 seconds with return value 0
Press any key to continue . . .
```