

main.c	Output
<pre>1 //DAY 22 2 //Q43 3 #include <stdio.h> 4 int main() { 5 int num, temp, digit, fact, sum = 0, i; 6 7 printf("Enter a number: "); 8 scanf("%d", &num); 9 10 temp = num; 11 12 while (temp > 0) { 13 digit = temp % 10; 14 fact = 1; 15 for (i = 1; i <= digit; i++) { 16 fact *= i; 17 } 18 19 sum += fact; 20 temp /= 10; 21 } 22 23 if (sum == num) 24 printf("%d is a Strong Number.\n", num); 25 else 26 printf("%d is not a Strong Number.\n", num); 27 28 return 0; 29 }</pre>	<p>Enter a number: 145 145 is a Strong Number.</p> <p>=== Code Execution Successful ===</p>

main.c



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Output

```
1 //DAY 22
2 //Q44
3 #include <stdio.h>
4
5 int main() {
6     int n, i;
7     float numerator = 1, denominator = 2, sum = 0;
8
9     printf("Enter number of terms (n): ");
10    scanf("%d", &n);
11
12    for (i = 1; i <= n; i++) {
13        sum += numerator / denominator;
14        numerator += 2;
15        denominator += 2;
16    }
17
18    printf("Sum of the series up to %d terms = %.4f\n", n, sum);
19
20    return 0;
21 }
```

Enter number of terms (n): 3
Sum of the series up to 3 terms = 2.0833

=== Code Execution Successful ===