

computeSeries

Write a C program that computes the value of e^x according to the following formula:

$$e^x = 1 + \frac{x}{1!} + \frac{x^2}{2!} + \frac{x^3}{3!} + \dots + \frac{x^{10}}{10!}$$

A sample program template is given below.

```
#include <stdio.h>
int main()
{
    /* Write your code here */

    return 0;
}
```

Sample input and output sessions are given below:

(1) Test Case 1:

Enter x:

0.9

Result = 2.46

(2) Test Case 2:

Enter x:

0

Result = 1.00

(3) Test Case 3:

Enter x:

-0.9

Result = 0.41