

CS110: Computing Lab
Department of CSE
IIT Guwahati

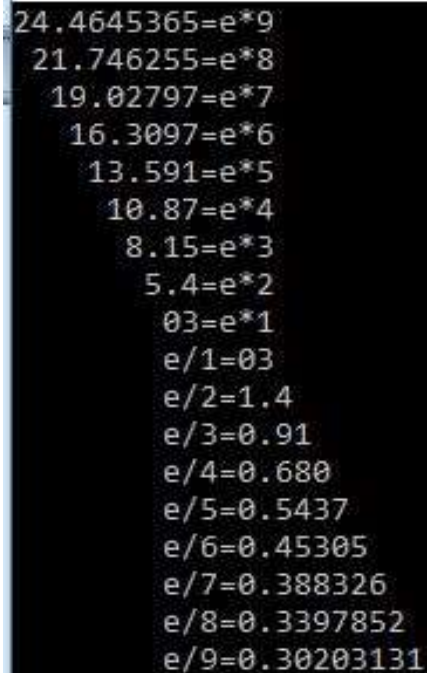
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Module 02 Stage 01 Exercise 05

Write a C program that prints 9 multiples and 9 fractions of e as in the screenshot printed below. The program must first read the value of e from the keyboard.

The value of e given on Wikipedia is 2.7182818284590452353602874

You will note that the multiples and fractions of e are printed to different number of precision digits. The number of meaningful precision digits in the display are same as the multiplier or divider used to compute the value – placeholder 0 and decimal-point do not count as items of interest when deciding the count of precision digits.



```
24.4645365=e*9
21.746255=e*8
19.02797=e*7
16.3097=e*6
13.591=e*5
10.87=e*4
8.15=e*3
5.4=e*2
03=e*1
e/1=03
e/2=1.4
e/3=0.91
e/4=0.680
e/5=0.5437
e/6=0.45305
e/7=0.388326
e/8=0.3397852
e/9=0.30203131
```