

```
Activities  Terminal  14 15:29
beck@beck-VirtualBox: ~
beck@beck-VirtualBox:~$ gcc -o hw0304 hw0304.c
beck@beck-VirtualBox:~$ ./hw0304
Please enter n : 1
Number: 2.7182818284590452354
Answer: 2.66666666666666666667
beck@beck-VirtualBox:~$ ./hw0304
Please enter n : 10
Number: 2.7182818284590452354
Answer: 2.7182818284590452354
beck@beck-VirtualBox:~$ ./hw0304
Please enter n : 5
Number: 2.7182818284590452354
Answer: 2.7182818284454013181
beck@beck-VirtualBox:~$ ./hw0304
Please enter n : 7
Number: 2.7182818284590452354
Answer: 2.7182818284590452135
beck@beck-VirtualBox:~$ ./hw0304
Please enter n : 8
Number: 2.7182818284590452354
Answer: 2.7182818284590452354
beck@beck-VirtualBox:~$
```

As the picture shows, when  $n = 8$  has the result that is close to  $e$  in the given number