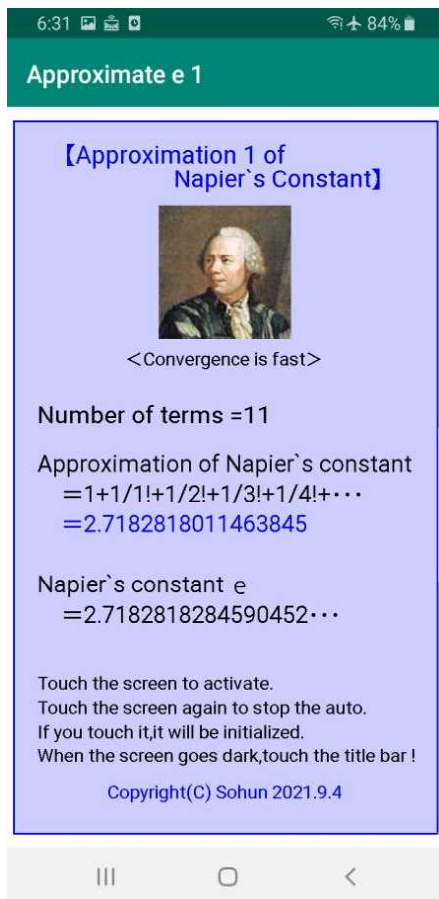
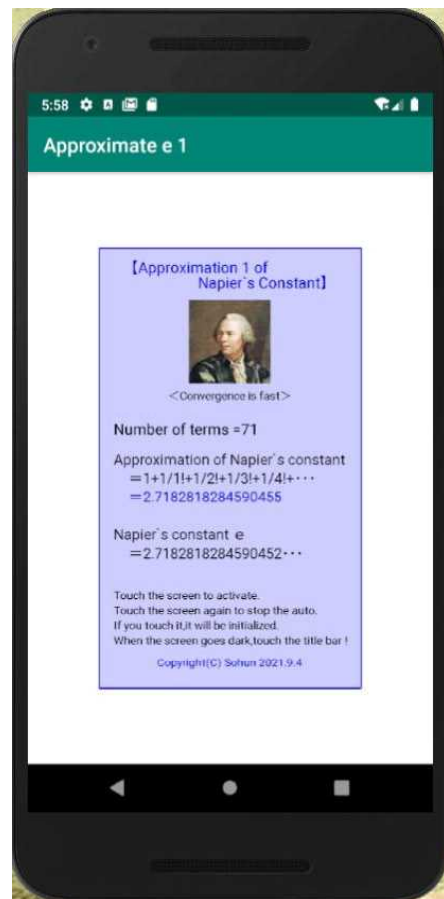


【Approximation 1 of Napier's Constant e】

- ※ Use the approximation formula to find the approximation of the base e of the natural logarithm.



【Screenshot】
Galaxy S9



【Emulator image】
Android Studio Version 3.5.1

[Outline]

Use the following approximation formula to find the approximation of the base e of the natural logarithm.

$$e = 1 + \frac{1}{1!} + \frac{1}{2!} + \frac{1}{3!} + \frac{1}{4!} + \dots$$

Let's observe how the approximation of the base e of the natural logarithm can be obtained as the number of terms increases.

You can see that the convergence speed is very fast.