Excelcise 5

$$C^{n+1} = \frac{e^n}{(1+k\Delta \epsilon)}$$

(1 + KDE) > 0 because denominate on 4 be 0.

.. $K\Delta t > -1$ as if it is talk (0, no proper solution & can't be negative because C can't be negative.

.. unconditional stability as Dt needs to be positive as time steps.