Lab 3 + 3b: Conway's Game of Life

Due date: Thursday February 5, 11:59pm If have difficulties to work on the Conway Game of Life
ASCII printing version then, please turn that in, if the assignment was 'easy' then try to turn in the
version that replaces the ascii graphics with matplotlib graphics.
You will need to do some internet researching (keywords: matplotlib 2D array animation), you will
see that a minimal solution will need the matplotlib functions imshow() and animation.ArtistAnimation(),
when searching for solutions focus on matplotlib, there are other packages that can animate too,
but I would prefer you explore matplotlib.
If you do this on mac you may need to add

```
import numpy as np
import matplotlib
matplotlib.use('TkAgg')  #this may be needed on a mac because the default fails
import matplotlib.pyplot as plt
import matplotlib.animation as animation
```