Task 1 - Getting to Philosophy:

I did not understand the needed to do at first, but I knew it was some kind of web parser, I have done things like that before, but on my way researching what to do and such, found an awesome GitHub repository that had the whole program, I just added the waiting timer and a function to check if a link has been visited before, which would indicate if the program is in a loop. The code did not work because maybe Wikipedia stops scraping using requests module in python, the other solution I found online is to use Selenium, but there is no time to redo everything.

The GitHub repository mentioned:

<https://github.com/huyouare/philosophy/blob/master/getting_to_philosophy.py>

Task 2 - Binary Classification Problem:

I started solving this problem by cleaning the data as discussed in the data cleaning steps document, then constructed a neural network model that consists of 3 dense layers, it was training as expected, but the problem I got and couldn’t get to solve it is that it doesn’t learn, basically the accuracies of training and testing are almost always zero, tried different number of layers, neurons, optimizers, and loss functions but to no solve, also thought it was the way I encoded the data in python, so I encoded them again in excel directly, but looks like I did it right the first time, and maybe the way I encoded was wrong somehow, also provided visualizations for the data, a heat map to show how the data relate to each other, and two charts that show the training and testing accuracies.