1) Plot the Flux vs magnitude relationship as a function of Magnitude. Using the formula m=-2.5 log(F) + K (assume K is 0)

2) Plot a scatter plot of Luminosity and Temperature using the pleiades.csv file. (This is an HR diagram !)

3) Plot a histogram using pleiades.csv file based on the Temperature and set bins based on the spectral type

Spectral Type	Color	Temperature (K)*	Spectral Features
O		28,000-50,000	Ionized helium,especially helium
B		10,000-28,000	Helium, some hydrogen
A		7,500-10,000	Strong hydrogen, some ionized metals**
F		6,000-7,500	Hydrogen and ionized metals such as calcium and iron
G		5,000-6,000	Both metals and ionized metals, especially ionized calcium
K		3,500-5,000	Metals
M		2,500-3,500	Strong titanium oxide and some calcium

* To convert approximately to Fahrenheit, multiply by 9/5.
** Astronomers regard elements heavier than helium as metals.

4) Plot an image using the function