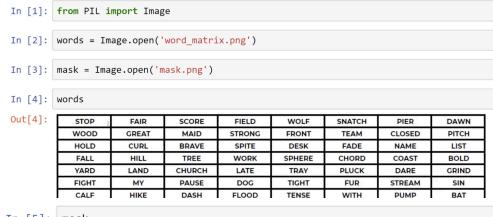
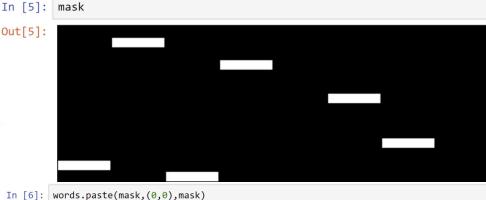
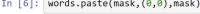
SECTION 16: WORKING WITH IMAGES WITH PYTHON - 24 minutes, 4 parts

4/4 Python Image Exercises -Solution

- -> for the image exercise puzzle
- -> we have two images
- -> we want to overlay one over the other, to show the message
- -> he first imports modules
- -> then opens the image and sets this equal to a variable
- -> then does this with the second image
- -> we can't just directly paste one of the images over the other
- -> the first stage is resizing one image to fit the other
- -> we need to enlarge the mask to the size of the matrix
- -> then highlight the words to see which we want
- -> we are resizing one of the images
- -> he prints out the size of one of the images
- -> he has resized one of the images and then changes its opacity and overlays it on top of the spreadsheet image
- -> this shows the message





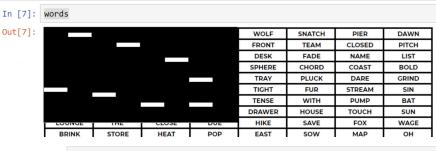


IA [6]: words.paste(mask,(0,0),mask)

In [7]: words

[7]:					WOLF	SNATCH	PIER	DAWN
					FRONT	TEAM	CLOSED	PITCH
					DESK	FADE	NAME	LIST
					SPHERE	CHORD	COAST	BOLD
					TRAY	PLUCK	DARE	GRIND
					TIGHT	FUR	STREAM	SIN
					TENSE	WITH	PUMP	BAT
					DRAWER	HOUSE	TOUCH	SUN
	LOUINGE	INE	CLUSE	DOE	HIKE	SAVE	FOX	WAGE
	BRINK	STORE	HEAT	POP	EAST	sow	MAP	ОН
	DRINK	TODAY	SHOT	SOLVE	NOTE	WAVE	IMAGES	TRACE





In [13]:	words.size
Out[13]:	(1015, 559)
In [14]:	mask = mask.resize((1015,559))
In [15]:	mask.size
Out[15]:	(1015, 559)
In []:	mask.putalpha(200)

In [17]: mask
Out[17]:

In [18]: words.paste(mask,(0,0),mask)

In [19]: words

Out[19]:

	FAIR		FIELD	WOLF	SNATCH	PIER	DAWN
WOOD	GREAT	MAID	STRONG	FRONT	TEAM		PITCH
HOLD		BRAVE	SPITE	DESK	FADE	NAME	LIST
FALL	HILL	TREE	WORK	SPHERE	CHORD	COAST	BOLD
YARD	LAND	CHURCH	LATE	TRAY	PLUCK		GRIND
FIGHT	MY	PAUSE		TIGHT	FUR	STREAM	SIN
CALF	HIKE	DASH	FLOOD	TENSE	WITH	PUMP	BAT
FLU							SUN