day19  sentences
Due:    6th period: Thursday 9/22
        7th period: Friday 9/23

Today's task is to write a program that generates silly sentences by combining subjects, verbs, and adverbs that you set up in lists. Your program will print out 10 randomly generated sentences that each have a subject, a verb, and an adverb. Here are some sample sentences:

```
My chicken howls slowly.
Mr. Hays runs loudly.
Frank swims quickly.
```

subject   verb        adverb

In the above sentences the subjects are "My chicken", "Mr. Hays", and "Frank". You can see that these all would more or less work with the verbs "howls", "runs", "swims". Finally, the adverbs modify the verbs, like "swim quickly". While all of these sentences don't make sense in real life, they are all grammatically correct. You need to make your nouns and verbs work. For example, my nouns are all singular. That makes them work with the verbs that I used. Things wouldn't work right if I had some nouns that were singular and some that were plural. Here's a few failed examples:

```
My chickens runs pathetically.      ← chickens and runs don't match
My chickens run pathetic.           ← pathetic is an adjective, not an adverb
My chickens swim bloodthirsty !     ← bloodthirsty is an adjective, plus a space before !
```

Decide if your nouns will all be singular or plural, and then make things line up by making your lists all agree. Write a sample sentence as a comment at the top of your program so you can get your bearings. You may or may not love English class, but I expect you to understand what an adverb is. It modifies a verb's action. To make my last sentence above work we'd have to say "bloodthirstily."

Create a list in your program to store each word type near the top of your program with a single entry in each for starters. Do them like this:

```
subjects = ["My dog"]
verbs = ["howls"]
adverbs = ["loudly"]
```

Start the lists with only one item in each. Please use your own words, not mine! After you get everything working you will add six or more items to each list.

When you need to get a word to make a sentence (see more details below in the bullet list) you will use "random.choice(subjects)" to get a random item out of the list.

Steps for doing today's assignment:

- Your name in a comment at the top, program is named "day19 sentences".

- Put the phrase "import random" after your top comment.

- In another comment, write a sample sentence using the format that you're going to use. My sample sentence would be "My dog howls loudly." Yours needs to be something different! You cannot use "My dog" or "howls" or "loudly", sorry. It's time for you to get creative.

- Create three lists, one each for subjects, verbs, and adverbs. Put one item in each as detailed on the previous page.

- Create a **loop** to give 10 randomly generated sentences. Use a for loop with range(10).

- In the loop, print a sentence using this line, inside the for loop:

  ```
  print(random.choice(subjects), random.choice(verbs), random.choice(adverbs)+".")
  ```

- Make sure sentences use proper capitalization and punctuation (sentences start with a capital letter and end with a period, an exclamation point, or question mark.)

- Ending period has proper spacing (no space between last word and the period.) You can add punctuation by including it with your adverb, or by appending it during a print call using a +"."

- Run your program. You should get the same sentence 10 times. Does it work? Does it make grammatical sense? For example, "My dog howling loudly." does not work grammatically. Sentences can be silly but need to make grammatical sense (i.e. subject, verb, adverb that agree in terms of singular and plural, not just random words...)

- Keep it school appropriate please. You may do all of your work in Spanish or another language that you speak well if you want.

- Once you get things working, add items to your subjects, verbs, and adverb lists until you have six or more items in each. Your word types must be consistent with each other. In other words, if your subjects are singular (My dog, The cat, The gopher… then the verbs work with that type of subject runs, sings, hops, digs (not "run", "sing", "hop", "dig",) because you don't say "My dog run" you say "My dog runs.)

- Run your program several times. Read through the results. Do they make grammatical sense, even though they are silly? Are they school appropriate? Make fixes and adjustments if necessary. Is the first letter capitalized in each sentence? Are the other letters appropriately capitalized or not? Does the sentence end with a period? Is there a space before the period? (There should not be). Get things right.

- Once you have things right, call me over to see your project in person. I want to see what you have created before you think you are done.

- After I have seen and approved your work, copy a good set of 10 sentences and send them to me in an email. My email address is whays@wscuhsd.org.

Possible extensions (optional):

Make them rhyme.
Make the punctuation random.
Make the sentences more complicated, using a different grammatical arrangement.
Add more subjects, verbs, and/or adverbs.

Turn in an Invite link on the Google Classroom after I have approved your work.