

day22 sentences

Due: 6th period: Thursday 9/30

7th period: Friday 10/1

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. While all of these sentences don’t make sense in real life, they are all grammatically correct. You need to try 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 (one for subjects, one for verbs, and one for adverbs). Create these near the top of your program like this (but with six or more items in each): `subjects=["My chicken", "The dog"]` When it is time to make a sentence you can get a random item from your list using the `random.choice()` function. Put “import random” once near the top of your program, then when you need a random subject use “`random.choice(subjects)`” to get a random subject out of the list.

Your final program should include:

- Your name in a comment at the top, program is named "day22 sentences".
- Put the phrase "import random" after your title comment.
- In another comment, write a sample sentence using the format that you're going to use.
- Create three lists, one each for subjects, verbs, and adverbs. Make sure each list has at least six items in it. Your word types are 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.)

(continued on next page)

- A **loop** to give 10 randomly generated sentences. You can use a variable and a while loop, or you can use a for loop with range(10).
- In the loop print a sentence using random.choice(subjects), random.choice(verbs), random.choice(adverbs)+"."
- Proper capitalization and punctuation (sentences start with a capital letter and end with a period, an exclamation point, or question mark.)
- Punctuation 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 "+".
- 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.
- If you want, I'm fine with you making this all in Spanish, or some other language that you speak.
- Ask the user if they would like to do another set. Each time you run the program you get 10 random sentences, not the same ones over and over.

Possible extensions (optional):

Make them rhyme.

Make the sentences more complicated, using a different grammatical arrangement.