

day8: madlibs

Due: 6th: Thursday 8/26/22

7th: Friday 8/27/22

Today we're going to do a mad libs program. You will ask the user for a bunch of information then print a story using the information provided. You will use several input() commands and store the user's entries into different variables, then print out the results. Here is a sample:

```
I'm going to tell you a story, but first, I need to ask you
a few questions. Here we go!
```

```
Please enter an action verb (ending in 'ing'): running
How many slices of pizza do you eat when you are hungry? 5
Please enter your favorite pizza topping (singular): pepperoni
What is your name? Mr. Hays
Please name a city you'd like to visit: London
Please enter the name of an amusement park (for example Disneyland, Great America, Six
Flags, etc): Mr. Wiggle's Go-Cart Emporium
Please enter a verb (not an -ing verb, just a verb): sing
Please enter 'sun' or 'moon': moon
```

```
Story for August 2022:
```

```
The other day I was running my chickens when I
got really hungry. I didn't want to eat the
chickens so I bought some pepperoni pizza.
I eat a lot of pepperoni pizza.
After the pizza, I went to visit Mr. Hays in London.
We went to Mr. Wiggle's Go-Cart Emporium to sing on the roller coaster.
After that I felt a little sick.
The moon was out, though, and we had a fun night.
```

```
The end
```

Requirements:

- First, write your story in a Google Doc. Put bold/underlined variable names where your variables will go. Use this to help you design the entire project.
- You need to ask at least 8 questions.
- Once you have a story with at least 8 variables, including one or more that you will use with an if/else statement, create a repl named "day8 madlibs".
- You must use one or more if/else statements in your story. See my example later in this document. I use two.
- Use the answers to the questions in a story that makes grammatical sense. For example, ask for a plural noun if your story is going to have more than one of something mentioned, etc.

When you think you are done with your program, please review the above bullets and make sure you have done everything.

When you have turned in your share link, make sure that it works by clicking on the link after you have posted it in the Google Classroom. Turn in two links: one for the repl and one for the Google Doc.

I give you some tips on the next page.

First, create a story in a Google Doc. This is required. You will turn this doc in as part of the assignment.

Here is what I created for my story:

The other day I was **[-ing verb]** my chickens when I got really hungry. I didn't want to eat the chickens so I bought some pizza.

if **[slices]** > 4:

 I eat a lot of **[topping]** pizza

else:

 I don't really like **[topping]** pizza, so I didn't eat very much

After the pizza, I went to visit **[name]** in **[city]**. We went to **[amusementpark]** to **[verb]** on the roller coaster. After that I felt a little sick. The **[sunormoon]** was out, though, and we had a fun **[sunormoon: if sun: day, if moon night]**.

I used this to identify the variables (by name) that I was going to need.

Then, I created a repl and asked the user for all of these items. I then wrote the story in several print calls.

Python automatically puts spaces between items in a print call that you separate with commas. This means you can do a print call like the following to put your text and the user-entered information together when you print:

```
print("I eat a lot of", topping, "pizza.")
```

might print out the following:

```
I eat a lot of pepperoni pizza.
```

If you want to put two things together without having a space you can use a plus sign, like this where I used a plus sign to put the "!" at the end.

```
print("Then I ate", num, pluralanimal+"!")
```

might print out the following:

```
Then I ate 12 chipmunks!
```

Test your program, see if it makes any sense. Make sure you test both directions of your if/else statement.

(More info on the next page)

Here is how I started my program:

```
print("I'm going to tell you a story, but first, I need to ask you")
print("a few questions. Here we go!")
print()
ingverb = input("Please enter an action verb (ending in 'ing': ")
slices = int(input("How many slices of pizza do you eat when you are hungry? "))
(other questions omitted... there were 8 questions in total)
```

Here is how I started the part that prints the story:

```
print()
print("Story for August 2022:")
print()
print("The other day I was",ingverb,"my chickens when I")
print("got really hungry. I didn't want to eat the ")
print("chickens so I bought some",topping,"pizza.")
if slices>3:
    print("I eat a lot of",topping,"pizza")
else:
    print("I don't really like",topping,"pizza, so I didn't eat very much")
print("After the pizza, I went to visit",name,"in",city+".")
```

Here is the output of my story twice, with different answers which caused different if/else versions.

Story for August 2022:

```
The other day I was running my chickens when I
got really hungry. I didn't want to eat the
chickens so I bought some sausage pizza.
I don't really like sausage pizza, so I didn't eat very much
After the pizza, I went to visit Mr. Hays in Berlin.
We went to Splash Mountain to sing on the roller coaster.
After that I felt a little sick.
The moon was out, though, and we had a fun night.
```

The end

The above story had a small number for the number of pizza slices and it used the moon to know it was a fun night. The second version, below, had a big number entered for the number of slices of pizza which gave a different answer for the pizza, plus I used "sun" so it knew it was a good day.

Story for August 2022:

```
The other day I was washing my chickens when I
got really hungry. I didn't want to eat the
chickens so I bought some pepperoni pizza.
I eat a lot of pepperoni pizza
After the pizza, I went to visit Mr. Hays in Tokyo.
We went to Hobbit Mountain to sleep on the roller coaster.
After that I felt a little sick.
The sun was out, though, and we had a fun day.
```

The end