DAY 1 (December 17, 2024): Today we are going to start the creation of our music chatbot. We will attempt to start off very simple by using python functions like repeats and inputs

[2]:
```
#C: Start by creating two seperate list of artists anf their songs in one and numbers for them in another
#C: I'm going to use the songs I have been listening to lately
songs = ["Focus by H.E.R.", "W.A.Y.S. by Jhené Aiko", "All the Stars by Kendrick Lamar & SZA", "That's What I Like by Bruno Mars"]

#C: However, there is an issue, if we want to be able to make a random generator,
#C: We will want the key of the dictionay to be a number value in order to make a simple randomizer
numbers = []

#C: To get rid of 0 in the range function, we will add by one
for num in range(len(songs)):
    numbers.append(num+1)
```

[4]:
```
#C: The best way to combine these lists is to combine them as key and value in a new dictionary using the dict(zip()) function
musicList = dict(zip(numbers, songs))

#C: Let's test to make sure that this is accurate !!
#C: The results show that the new dictionary is successful
print(musicList)
```

```
{1: 'Focus by H.E.R.', 2: 'W.A.Y.S. by Jhené Aiko', 3: 'All the Stars by Kendrick Lamar & SZA', 4: "That's What I Like by Bruno Mars"}
```

[6]:
```
#C: Let's now make the random selector by first importing the "random" module
import random

#C: This part took a lot of ingenuity, we take the random import and use the function choice to help randomly pick the options
rand_Number = random.choice(numbers)
rand_Choice = musicList[rand_Number]

#C: We check to see if the function is working properly
print(rand_Choice)
```

```
All the Stars by Kendrick Lamar & SZA
```

DAY 2 (December 18, 2024): Now, the part we've been waiting for!! We will try to add a simple chatbot function to our music list.

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[8]:
```
#C: To start, let's add an input() function just asking for the user's name
#C: We will assign the value of the response to the name input as "name"
#C: I am going to make mine sound super polite
name = input("Hello, may I kindly ask what your name is?")
```

```
Hello, may I kindly ask what your name is? Cupid
```

[10]:
```
#C: Above it should ask you the question and allow you to type in a response..
#C: Also please enter by clicking "enter" on your keyboard..
#C: Now we shall add another sentence introducing the chatbot to the user
print("Hi " + name + ", I am a music selecting chatbot. I will randomly select a song for you to listen to!")
```

```
Hi Cupid, I am a music selecting chatbot. I will randomly select a song for you to listen to!
```

[44]:
```
#C: Now we will ask the chatbot to ask the user if they are ready to have their song randomly selected
while True:
    answer = input("Are you ready to have a song picked out for you, " + name + "? (Type: Yes or No)")

#C: Its time for things to get a little complicated, but who doesn't like messy
#C: We will use "if" statements to determine the response of the chatbot
#C: We can add a function that will prompt the user back to the question, its called return()
#C: However, the function does not seem to be working due it being outside the function
#C: We will create a "while" loop instead, that has breaks
    if (answer == "Yes"):
        print("Here is your song: " + rand_Choice)
        break

    elif (answer == "No"):
        print("Please come again and I shall help you select a song")
        break
    else:
        print("I could not determine your answer, please try again")
    #return answer
```

```
Are you ready to have a song picked out for you, Cupid? (Type: Yes or No) idk
I could not determine your answer, please try again
Are you ready to have a song picked out for you, Cupid? (Type: Yes or No) Yes
Here is your song: All the Stars by Kendrick Lamar & SZA
```