**Aderinsola Atekoja & Hawa Touray**

**POSTER Information including pictures we used:**

**Background:** MGP (Music Genres Program) is a program that was created by Aderinsola Atekoja and Hawa Touray. As two passionate music lovers, we knew instantaneously that our program would revolve around music. After conducting a poll with several students we found that about 75% of our surveyed students believed that having a program that could pull up top songs, albums and artists from each genre would be beneficial for them. Through another poll, we also found that majority of students struggle with staying updated with current music in each genre. Based on our studies we decided to create a program that would not only bring up the top songs, albums, and artists from each genre but one that would also provide the user with a playlist alongside a brief history of each genre. Our program returns to its user web links that contain all of the information that we listed above. We chose to use reliable web links that are updated often that way our users can stay up to date with each genre.

**Lessons We Used:**

* **Files (**Opened files using file handle: read**)**
* **Iterations** (Used loops such as while true for indefinite looping and break statements)
* **Conditionals (Used** if, else and elif statements**)**
* **Strings (Extracted** text using \_startswith**)**

**How Our Code Works:**

* Our code first greets its user with an opening message, it then tells its user the wide variety of genres that our program offers.
* After that, our program asks the user to enter in the corresponding abbreviation for the genre they would like to be updated on.
* After the user enters in the genre they are looking for, the program pulls information from the text file and returns to them web links that contain information about the top artists, albums, songs, playlists, and a history of genre they made a request about.
* The program continues to run (allowing users to search more than just one genre) until the user decides to quit the program by simply typing ‘quit’.
* Once the program has been told to quit, it thanks the user for using our program.
* If the user is to enter in a bad input, the program will notify them that they have entered in an invalid genre.

**Steps Taken:**

* We created a survey in order to further understand our audience's experience with music
* We researched and found trustworthy websites that are usually frequently updated to place in our program
* We created a text file with all of our research
* We wrote a program that would extract the information from our text file that the user was interested in

**Contributions:** For the survey Hawa and Aderinsola surveyed 35 people each. Hawa and Aderinsola both found and researched 8 genres each. Collectively, we both used past lessons and examples to help us conduct our code. We both contacted Wade, Avi, and Deb for guidance with our project. As for the code, we only wrote it when we were together. Overall, we split the work in half and both made equal contributions to this project.

**Survey:**

We surveyed a total of 70 people within the age group of 13-25. Here is what we found:











