COMP-593 final assignment Worklog

2022-04-24- created get\_apod\_info function. Used this link: <https://medium.com/daily-python/consuming-nasa-api-using-python-part-1-daily-python-17-4ce104fa47ab> to learn how to query the API.

2022-04-26 - created the create \_image\_db and add\_image\_to\_db functions.

* Used the techniques from lab 3 to remind myself how to work with databases. This took me about 1 hour.
* Devised how to calculate the sha256 hash of the image. This link helped <https://stackoverflow.com/questions/48613002/sha-256-hashing-in-python>
* Finished print\_apod\_info function this one was pretty simple.
* Reading the discussion board I figured out how to download the image data from the apod api and finished the download\_apod\_image function. Took me about 2 hours of trial to finish

2022-04-27 - worked on get\_image\_path function used regex to extract the image name from the url. It worked! Looked back at scripts from last semester to refresh my memory on working with regex.

* Worked on the image\_already\_in\_db function. Had to find a way to get the image hash into the query, found I needed a parameterized query. This link <https://stackoverflow.com/questions/45343175/python-3-sqlite-parameterized-sql-query> gave me the info I needed. Took me about 1 hour to figure out.
* Finished the save\_image\_file function. This one was pretty simple took me about 20 min.
* Created the set\_desktop\_background\_image function was able to copy the code from lab 9.