```
for file in files:
    loguru.logger.info(f"{sub_indent}+--{file}")
print_tree(os.getcwd())
loguru.logger.info("Printing contents of data file {}".format(dem.file_path))
with open(dem.file_path, "r") as f:
    loguru.logger.info(f.read())
# Finish
loguru.logger.info("Scrape complete")
loguru.logger.info("Exiting")
```

This script is a web scraper designed to collect the top headline from The Daily Pennsylvanian's opinion section and track it over time. Here's a breakdown of how it works:

1. Imports and Setup:

- It imports necessary libraries for web requests, HTML parsing, logging, and file operations.
- The loguru library handles logging throughout the execution.

2. The scrape_data_point() Function:

- Sets a custom user agent "cis3500-scraper" to identify the script when making requests.
- Makes an HTTP GET request to "https://www.thedp.com/section/opinion".
- · Logs the request URL and status code for debugging.
- If the request succeeds (status code 200):
 - · Parses the HTML with BeautifulSoup.
 - Searches for an <a>h3> element with the class "standard-link" (which contains the top headline).
 - Returns the text of this element if found, or an empty string if not found.

3. Main Execution:

- Sets up logging to save to "scrape.log" with daily rotation.
- Creates a "data" directory if it doesn't exist.
- Initializes a <code>DailyEventMonitor</code> object that manages saving data to "data/daily_pennsylvanian_headlines.json".
- Calls scrape_data_point() to get the current headline.
- Adds today's headline to the monitor using add_today().
- Saves the updated data to the JSON file.

$4. \, {\bf Debugging} \, {\bf and} \, {\bf Reporting} :$

- Includes a print_tree() function that logs the directory structure.
- Prints the contents of the data file to the log.
- $\bullet \;\; \text{Logs completion messages.}$

5. Error Handling:

- Has try/except blocks around critical operations to catch and log errors.
- The script handles potential failures when creating directories or scraping data.

There's a small syntax error in the main execution block where **name** should be __name__, but otherwise, this script provides a complete pipeline for regularly scraping headlines and building a historical dataset.

i) Claude does not have internet access. Links provided may not be accurate or up to date.



