Networking and Servers Assignment – 2

GitHub link

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Program Description

This program checks the status of a list of subdomains and displays the results in a tabular format. The program uses the requests library to make HTTPS requests to the subdomains and the prettytable library to format the results in a table.

Program Flow

The program first imports the **requests** and **prettytable** libraries. It then defines a list of subdomains to check the status of. Next, it defines two functions: **status_check()** and **store_data_in_table()**.

The **status_check()** function takes a subdomain as input and returns the status of the subdomain, either "Up" or "Down". The **store_data_in_table()** function clears the table and then adds a new row for each subdomain, with the subdomain name and the status of the subdomain.

The main function of the program loops forever, checking the status of the subdomains and displaying the results in a table. The loop breaks if the user presses **Ctrl+C**.

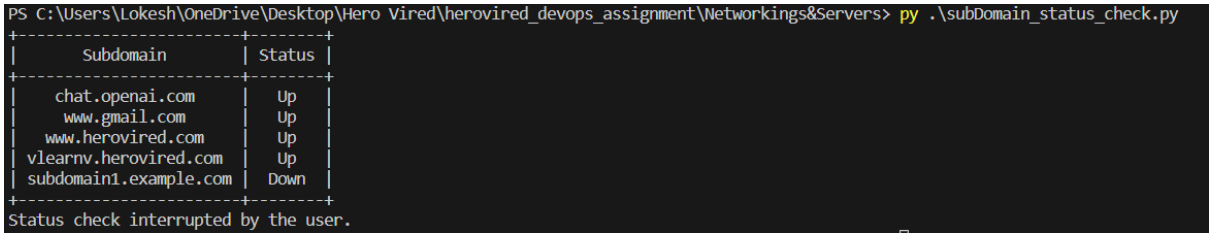
Program Output

The program outputs a table with the following columns:

- Subdomain
- Status

The status of the subdomain can be either "Up" or "Down".

Example output:



How to Run the Program

To run the program, we need run it by typing the following command into the command line:

python subdomain_status_check.py

Libraries Used

The following libraries are used in the program:

- requests
- prettytable

Troubleshooting

If we get any problem running the program, we can try the following:

- Make sure that we have the requests and prettytable libraries installed.
- Check the spelling of the subdomains in the list.
- Make sure that the program is running in a Python environment that has internet access.