Script 1: names.py

This script automates the collection of block information for different states in India. Here's a step-by-step description of what it does:

Setup the Web Driver:

The script sets up a Chrome web driver using Selenium, a tool for automating web browsers. This web driver is configured to handle various browser options for smooth operation.

Navigate to the Website:
It opens the website https://omms.nic.in/.
It navigates through the website's menus to reach the "Road Wise Progress" section.
Select State, Year, and Scheme:

For each state listed in the script (Andhra Pradesh, Bihar, Haryana, Maharashtra, Rajasthan), the script performs the following:
Selects the state from a dropdown menu.
Selects the year "2008-2009" from another dropdown menu.
Selects the scheme "PMGSY1" from yet another dropdown menu.

Collect District and Block Data:
For each state, the script retrieves the list of districts.
For each district, it retrieves the list of blocks.
It saves the names of the state, district, and block in a list.

Save Data to CSV:
After collecting all the information, it saves the data into a CSV file named names.csv.
This CSV file contains the columns: State, District, and Block.
The collected data is then used as input for the second script.

Script 2: app.py

This script processes the block information collected by names.py and extracts additional details. Here's what it does:

Setup the Web Driver:
Similar to names.py, it sets up a Chrome web driver with additional options to run in the background without displaying the browser window.

Navigate to the Website:
It opens the same website https://omms.nic.in/ and navigates to the "Road Wise Progress" section.

Read the CSV File:

It reads the names.csv file generated by the first script.
This file contains the list of states, districts, and blocks to be processed.

Fetch Data for Each Block:
For each state, district, and block combination, it selects the appropriate options on the website.
It retrieves detailed information such as Total No. Of Works, Road Length, and Sanction Cost.

Save the Detailed Data to CSV:
It saves the extracted information into a new CSV file named **final_output.csv.**

Parallel Processing:
To speed up the process, the script uses multiple threads to handle several state-district-block combinations simultaneously.