

# Python Script Workflow

1. First I have created an array of website URLs and I'm taking 4 website URL examples with a multiplication of 25 to convert this list into 100 URL lists.
2. I have initialized two empty dictionaries to store the results of Website URL, Response Time, and Status code and I have chosen the python dictionary because it stores the value in key formate. Key = Response Time, Value = WebsiteURL, Status code.
3. Then I have created one method to send http request to all array website url then I have created request session using with statement. **with** statement in Python is used in exception handling to make the code cleaner and much more readable. Using for loop it will iterate every url in array and send https get request.
4. Second method `https_get_request` this method is responsible to get the session response and it will adding value in dictionaries in this format Key = Response Time, Value = WebsiteURL, Status code.
5. It will sort the dictionary based on the lowest response time among all the URLs.
6. Third method is to create the CSV file and we're creating every dictionary value into different csv column. First I have created top row `writerow(['Website URL','Status Code','Response Time'])` then using for loop it will copy website url, status code, response time.

And this script will also work for nonstatus response codes but currently I don't have any URL that returns 404 or 500 status codes.

To run this same script in your environment you need to change the csv file path only -> `open('<path>/resultpponse.csv','w',newline=")`