**DAILY ASSESSMENT FORMAT**

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| **Date:** | **06/06/2020** | **Name:** | **Lavanya B** |
| **Course:** | **Python** | **USN:** | **4al17ec043** |
| **Topic:** | **Application 11** | **Semester & Section:** | **6th A** |
| **Github Repository:** | **Lavanya-B** |  |  |

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| **FORENOON SESSION DETAILS** |
| **Image of session** |
| **Report**  **Application 11: Building a Geocoder**  **Geocoding request and response (latitude/longitude lookup)**  **The following example requests the latitude and longitude of "1600 Amphitheatre Parkway, Mountain View, CA", and specifies that the output must be in JSON format.you can test this by entering the URL into your web browser (be sure to replace YOUR\_API\_KEY with your actual API key). The response includes the latitude and longitude of the address.**  **Below is a sample geocoding response, in JSON:**  **{**  **"results" : [**  **{**  **"address\_components" : [**  **{**  **"long\_name" : "1600",**  **"short\_name" : "1600",**  **"types" : [ "street\_number" ]**  **},**  **{**  **"long\_name" : "Amphitheatre Parkway",**  **"short\_name" : "Amphitheatre Pkwy",**  **"types" : [ "route" ]**  **},**  **{**  **"long\_name" : "Mountain View",**  **"short\_name" : "Mountain View",**  **"types" : [ "locality", "political" ]**  **},**  **{**  **"long\_name" : "Santa Clara County",**  **"short\_name" : "Santa Clara County",**  **"types" : [ "administrative\_area\_level\_2", "political" ]**  **},**  **{**  **"long\_name" : "California",**  **"short\_name" : "CA",**  **"types" : [ "administrative\_area\_level\_1", "political" ]**  **},**  **{**  **"long\_name" : "United States",**  **"short\_name" : "US",**  **"types" : [ "country", "political" ]**  **},**  **{**  **"long\_name" : "94043",**  **"short\_name" : "94043",**  **"types" : [ "postal\_code" ]**  **}**  **],**  **"formatted\_address" : "1600 Amphitheatre Pkwy, Mountain View, CA 94043, USA",**  **"geometry" : {**  **"location" : {**  **"lat" : 37.4267861,**  **"lng" : -122.0806032**  **},**  **"location\_type" : "ROOFTOP",**  **"viewport" : {**  **"northeast" : {**  **"lat" : 37.4281350802915,**  **"lng" : -122.0792542197085**  **},**  **"southwest" : {**  **"lat" : 37.4254371197085,**  **"lng" : -122.0819521802915**  **}**  **}**  **},**  **"place\_id" : "ChIJtYuu0V25j4ARwu5e4wwRYgE",**  **"plus\_code" : {**  **"compound\_code" : "CWC8+R3 Mountain View, California, United States",**  **"global\_code" : "849VCWC8+R3"**  **},**  **"types" : [ "street\_address" ]**  **}**  **],**  **"status" : "OK"**  **}**  **Start coding with our client libraries**  **Client libraries make developing with the Google Maps web service APIs easier by providing simple, native implementations of common tasks, such as authentication, request throttling and automatic retry. The Geocoding API is available in the Java Client, Python Client, Go Client and Node.js Client for Google Maps Services.**  **Authentication, quotas, pricing, and policies Authentication**  **To use the Geocoding API, you must first enable the API and obtain the proper authentication**  **credentials. For more information, see Get Started with Google Maps Platform.**  **Course certificate** |