TEST TASK

***Problem statement:***  
Develop a Flask Blueprint to find the distance from the Moscow Ring Road to the specified address. The address is passed to the application in an HTTP request, if the specified address is located inside the MKAD, the distance does not need to be calculated. Add the result to the .log file

To calculate the distance between points, we suggest using the Yandex Geocoder API https://yandex.ru/dev/maps/geocoder/doc/desc/concepts/about.html

The developer key can be obtained for free upon registration.

***You need to implement:***

1. Directly Blueprint

2. A set of Unit tests and corner cases checks (for example, invalid input data)

3. Documenting the code and application

***Requirements:***

1. The address is transmitted via an HTTP request

2. The functions and algorithms used are provided with informative comments

3. The tests are arranged in a separate file

4. Documentation in the form of readme.md the file contains instructions for using the application

5. PEP8 code compliance and use of type annotations

***Requirements for tools:***

1. Python version no older than 3.8

2. Source code must be published on Github/Gitlab/Bitbucket

3. It will be a plus to create a Docker container with the application

The deadline is 1 week  
MKAD Coordinates   
mkad\_km = [

[1,37.842762,55.774558],

[2,37.842789,55.76522],

[3,37.842627,55.755723],

[4,37.841828,55.747399],

[5,37.841217,55.739103],

[6,37.840175,55.730482],

[7,37.83916,55.721939],

[8,37.837121,55.712203],

[9,37.83262,55.703048],

[10,37.829512,55.694287],

[11,37.831353,55.68529],

[12,37.834605,55.675945],

[13,37.837597,55.667752],

[14,37.839348,55.658667],

[15,37.833842,55.650053],

[16,37.824787,55.643713],

[17,37.814564,55.637347],

[18,37.802473,55.62913],

[19,37.794235,55.623758],

[20,37.781928,55.617713],

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[23,37.747945,55.599677],

[24,37.734785,55.594143],

[25,37.723062,55.589234],

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[27,37.696256,55.578834],

[28,37.683167,55.574019],

[29,37.668911,55.571999],

[30,37.647765,55.573093],

[31,37.633419,55.573928],

[32,37.616719,55.574732],

[33,37.60107,55.575816],

[34,37.586536,55.5778],

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[36,37.555732,55.585143],

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[55,37.383283,55.718273],

[56,37.378369,55.728581],

[57,37.374991,55.735201],

[58,37.370248,55.744789],

[59,37.369188,55.75435],

[60,37.369053,55.762936],

[61,37.369619,55.771444],

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[84,37.575531,55.910907],

[85,37.590344,55.909257],

[86,37.604637,55.905472],

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[89,37.647648,55.896973],

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[92,37.698807,55.893884],

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[98,37.765992,55.861979],

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[104,37.837148,55.821072],

[105,37.838926,55.811599],

[106,37.840004,55.802781],

[107,37.840965,55.793991],

[108,37.841576,55.785017]

];