Assignment API Doc Version

Time	Version	Description
2022-11-20	V1.0	Draft

1、Tell the population within an area.

- Method：HTTP GET

- Encoding：UTF-8

- Test Endpoint：http://43.134.198.137:5000/api/v1/pop_in_area

- Description：Tell the population living within an area.

Request Header

Parameter	Required	Type	Description
Content-Type	N	String	application/json

Request Parameters

Parameter	Required	Type	Description
longitude	Y	Float	The degree of longitude between [-180, 180]
latitude	Y	Float	The degree of latitude between [-180, 180]
radius	Y	Float	The distance from current location (Unit: km). Must be positive and less than 6000KM.

Response **Parameters**

Parameter	Required	Type	Description
population	N	integer	The population number in the given area
error_msg	N	String	Error message

Request Sample

Find population in 50 kilometers:

curl

"http://43.134.198.137:5000/api/v1/pop_in_area?longitude=121.3&latitude=31&radius=50"

curl

"http://43.134.198.137:5000/api/v1/pop_in_area?longitude=191.3&latitude=31&radius=50"

curl

http://43.134.198.137:5000/api/v1/pop_in_area?longitude=191.3&latitude=111&radius=50

Find population in 100 kilometers:

curl

"http://43.134.198.137:5000/api/v1/pop_in_area?longitude=191.3&latitude=111&radius=-100"

Successful Response Sample

```
{
"population": 19223
}
```

Failed Response Sample

```
{"error_msg":"{'latitude': ['Must be greater than or equal to -90 and less than or equal
to 90.'], 'longitude': ['Must be greater than or equal to -90 and less than or equal to
180.']}"}
}
```