Steps

To create and activate virtual environment

- -pip install virtualenv
- -virtualenv {environmentname}
- First go to {environmentname}/Scripts the command is cd {environmentname}/Scripts
- -Then enter command activate
- -Then enter command cd .. twice to come back

Modules to Install

- -pip install SQLAlchemy
- -pip install fastapi "uvicorn[standard]"

To start the server the command is uvicorn application:app -reload

To stop the server press crtl+c

ADDRESS BOOK API'S

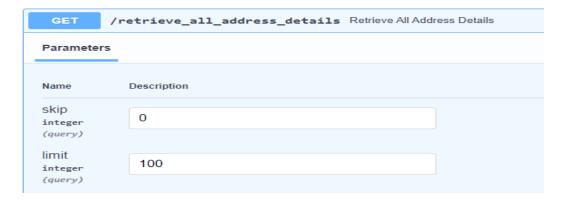


Retrieve All Address Details API:

URL: http://127.0.0.1:8000/retrieve_all_address_details?skip=0&limit=100

Method: GET

Parameters : skip and limit



Response: List of Address Objects

```
Code Details

Response body

[ {
    "address": "nlg",
    "pincode": "566910",
    "latitude": 27,2046,
    "longitude": 77,4977,
    "address_type": "home",
    "id": 1
    ]

Response headers

content-length: 106
content-type: application/json
date: Tue,01 Mar 2022 09:38:29 GMT
server: uvicorn
```

All Address Details Within Range API:

 $URL: http://127.0.0.1: 8000/all_address_details_within_range? latitude = 17.103 \& longitude = 79.242 \& distance = 1000$

Method: GET

Parameters: latitude, longitude and distance

GET /all_address_details_within_range All Address Details Within Range	
Parameters	
Name	Description
latitude * required number (query)	17.103
longitude * required number (query)	79.242
distance * required number (query)	1000

Response : List of Address Objects

Add New Address API:

URL: http://127.0.0.1:8000/add_new_address

Method: POST

Request Body:

```
Post /add_new_address Add New Address

Parameters

Request body 'required'

(*address*: "hugh, "piancede: "50002", "latitude: "51.4, "longitude: "51.89, "address. Type": "home"

(*address. Type": "home"
```

Response:

```
Code Details

Response body

{
    "address": "hyd",
    "pincode": "500012",
    "longitude": 17.89,
    "address_type": "home"
}

Response headers

content-length: 93
    content-type: application/json
    date: Tue,01 Nar 2022 09:49:80 GNT
    server: uvicorn
```

Delete Address By Id API:

 $URL: \ http://127.0.0.1:8000/delete_address_by_id?sl_id=2$

Method : DELETE

Parameters : sl_id



Response:

```
Code Details

Response body

{
    "delete status": "success"
}

Response headers

content-length: 27
    content-type: application/json
    date: Tue,0tl Mar 2022 09:52:54 GMT
    server: uvicorn
```

Update Address Details API:

 $URL: http://127.0.0.1:8000/update_address_details?sl_id=1$

Method: PUT

Parameters: sl_id

Request Body:

Response:

```
Code Details

Response body

{
    "address": "kishan gunj",
    "pincode": "500012",
    "latitude": $4.12,
    "longitude": 17.125,
    "address_type": "office",
    "id": 1
}

Response headers

content-length: 111
    content-type: application/json
    date: Tue,01 Mar 2022 09:57:10 GMT
    server: uvicorn
```