Code for the function creation:

```
CREATE FUNCTION get_addresses(pattern varchar, lower_bound int, upper_bound int)
returns setof address
as
$$
Begin
    return query SELECT * FROM "address"
    WHERE address.address LIKE '11%' AND (address.address_id BETWEEN lower_bound
AND upper_bound);
End;
$$

LANGUAGE 'plpgsql';
```

The output of the function:

	get_addresses address	🔒
1	(400,"1152 Citrus Heights Manor","","al-Qadarif,15,5239,765957414528,"2006-02-15 09:45:30")	
2	(403,"1190 0 Place","","Rio Grande do Sul",44,10417,841876514789,"2006-02-15 09:45:30")	
3	(466,"118 Jaffna Loop","","Northern Mindanao",182,10447,325526730021,"2006-02-15 09:45:30")	
4	(481,"1153 Allende Way","",Qubec,179,20336,856872225376,"2006-02-15 09:45:30")	
5	(507,"1197 Sokoto Boulevard","","West Bengali",478,87687,868602816371,"2006-02-15 09:45:30")	
6	(511,"1152 al-Qatif Lane","","Kalimantan Barat",412,44816,131370665218,"2006-02-15 09:45:30")	
7	(528,"1176 Southend-on-Sea Manor","","Southern Tagalog",458,81651,236679267178,"2006-02-15 09:45:30")	

The output of the Python script (ex1.py):

```
(38.6830412, -121.3069555)
(50.8239854, 4.3347328)
0 0
(53.3942146, -1.4199872)
0 0
(26.2844342, 50.1116357)
(51.5364227, 0.6900118)
```

After the python script (ex1.py) is executed the longitude and latitude are updated:

	get_addresses address
1	(403,"1190 0 Place","","Rio Grande do Sul",44,10417,841876514789,"2022-04-15 16:30:16.423133",50.823986,4.334733)
2	(466,"118 Jaffna Loop","","Northern Mindanao",182,10447,325526730021,"2022-04-15 16:30:16.423133",0,0)
3	(481,"1153 Allende Way","",Qubec,179,20336,856872225376,"2022-04-15 16:30:16.423133",53.394215,-1.4199872)
4	(507,"1197 Sokoto Boulevard","","West Bengali",478,87687,868602816371,"2022-04-15 16:30:16.423133",0,0)
5	(511,"1152 al-Qatif Lane","","Kalimantan Barat",412,44816,131370665218,"2022-04-15 16:30:16.423133",26.284433,50.111637)
6	(528,"1176 Southend-on-Sea Manor","","Southern Tagalog",458,81651,236679267178,"2022-04-15 16:30:16.423133",51.536423,0.6900118)
7	(400,"1152 Citrus Heights Manor","",al-Qadarif,15,5239,765957414528,"2022-04-15 16:30:16.423133",38.68304,-121.30695)