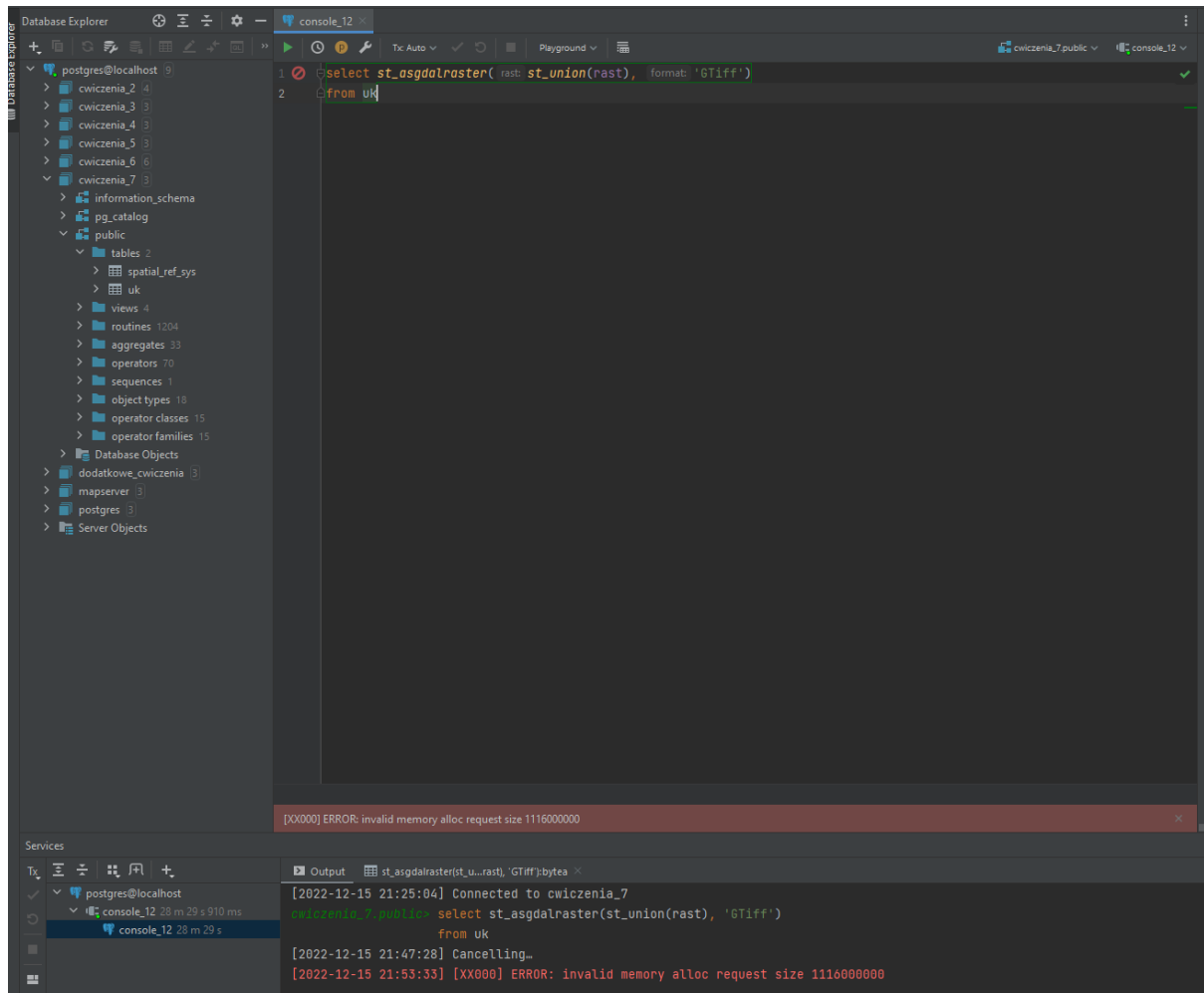


zad 3

błąd po prawie 30 minutach



zad 5

```
D:\Studia\Semestr 7\Bazy_Danych_Przestrzennych\cwiczenia_7>ogr2ogr -f "ESRI Shapefile" np.shp OS_Open_Zoomstack.gpkg
Warning 1: 2GB file size limit reached for np.shp\contours.shp. Going on, but might cause compatibility issues with third party software
Warning 1: One or several characters couldn't be converted correctly from UTF-8 to ISO-8859-1. This warning will not be emitted anymore.
Warning 6: Normalized/laundered field name: 'name1language' to 'name1langu'
Warning 6: Normalized/laundered field name: 'name2language' to 'name2langu'
Warning 1: One or several characters couldn't be converted correctly from UTF-8 to ISO-8859-1. This warning will not be emitted anymore.
D:\Studia\Semestr 7\Bazy_Danych_Przestrzennych\cwiczenia_7>
```

[illegible]

zad 6

Zad 7

```
CREATE TABLE out AS
SELECT lo_from_bytea(0, ST_AsGDALRaster(rast, ST_Union(st_clip(rast, uk.rast, geom: parks.geom))), format: 'GTiff', options: ARRAY['COMPRESS=DEFLATE', 'PREDICTOR=2', 'PZLEVEL=9']) AS loid
FROM uk
    inner join parks on st_intersects(geom: uk.rast, geom: parks.geom)
where parks.gid = 1;

SELECT lo_export(loid, 'D:\Studia\Semestr_7\Bazy_Danych-Przestrzennych\cwiczenia_7\new_raster.tiff')
FROM out;

SELECT lo_unlink(loid)
FROM out;
```

zad 10

```
create table ndvi as
with tmp as (
    select st_clip( rast: s.rast, geom: parks.geom) as rast
    from s
    inner join parks on st_intersects( geog1: s.rast, geog2: parks.geom)
    where parks.gid = 1
)
select st_mapalgebra(
    rastbandargset: tmp.rast, callbackfunc: 1,
    pixeltype: tmp.rast, extenttype: 4,
    customextent: '(((rast2.val)-(rast1.val))/((rast2.val)+(rast1.val)))::float',
    distancex: '32BF'
) as rast
from tmp
```

zad 11

```
CREATE TABLE out2 AS
SELECT lo_from_bytea(0, ST_AsGDALRaster( rast: ST_Union(ndvi,rast), format: 'GTiff', options: ARRAY['COMPRESS=DEFLATE','PREDICTOR=2', 'PZLEVEL=9'] ) ) AS loid
FROM ndvi;

SELECT lo_export(loid, 'D:\Studia\Semestr_7\Bazy_Danych_Przestrzennych\cwiczenia_7\ndvi.tif')
FROM out2;

SELECT lo_unlink(loid)
FROM out2;
```

ndvi.tif	15.12.2022 22:25	Plik TIFF
new_raster.tif	15.12.2022 22:25	Plik TIFF
...	...	...