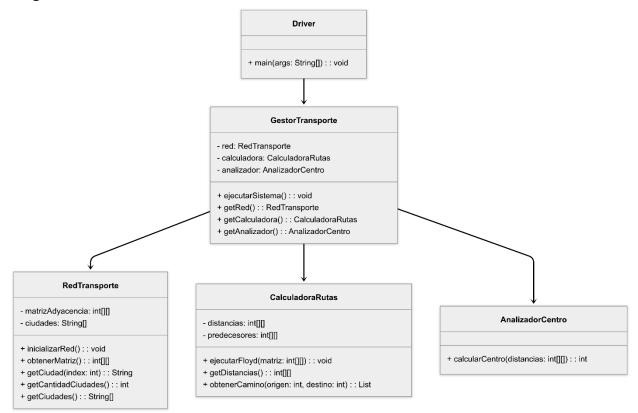
# Hoja de Trabajo #10

# Diagrama de clases:



#### Prueba de funcionamiento:

```
[INFO] Deleting C:\Users\mated\OneDrive - UVG\AÑO 2\ALG y Estru\Hoja 10\Graph-Floyd\floyd\target
[INFO] --- resources:3.3.1:resources (default-resources) @ graph-floyd --- [WARNING] Using platform encoding (UTF-8 actually) to copy filtered resources, i.e. build is platform dependent!
[INFO] skip non existing resourceDirectory C:\Users\mated\OneDrive - UVG\AÑO 2\ALG y Estru\Hoja 10\Graph-Floyd\floyd\src\main\resources
[INFO] --- compiler:3.13.0:compile (default-compile) @ graph-floyd ---
[INFO] Recompiling the module because of changed source code.
[WARNING] File encoding has not been set, using platform encoding UTF-8, i.e. build is platform dependent!
 [INFO] Compiling 5 source files with javac [debug target 17] to target\classes
[WARNING] location of system modules is not set in conjunction with -source 17
  not setting the location of system modules may lead to class files that cannot run on JDK 17
     --release 17 is recommended instead of -source 17 -target 17 because it sets the location of system modules automatically
[INFO] --- exec:3.1.0:java (default-cli) @ graph-floyd ---
Matriz de distancias mínimas:
       Ciudad de Guatemala
                                                               Chiquimula
                                                                                 Ouetzaltenango
                                             Zacapa
                                                                                                                  Cobán
Ciudad de Guatemala
Zacapa
Chiquimula
Quetzaltenango
                                                           10
                                                                                 11
                                                                                               10
Centro del grafo: Ciudad de Guatemala
Ruta de Ciudad de Guatemala a Zacapa: Ciudad de Guatemala -> Zacapa
Ruta de Ciudad de Guatemala a Chiquimula: Ciudad de Guatemala -> Zacapa -> Chiquimula
Ruta de Ciudad de Guatemala a Quetzaltenango: Ciudad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Ruta de Ciudad de Guatemala a Cobán: Ciudad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango -> Cobán
```

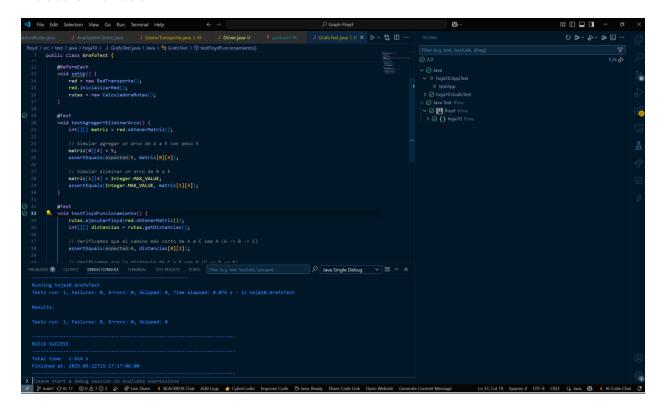
## Link del repositorio de GIT:

https://github.com/Pablownski/Graph-Floyd

Link explicación:

https://youtu.be/B97PZWKB6HU

### Prueba Unitaria JUNIT:



## Python:

```
PROBLEMS © CUIPUI DEBUGCONSOLI HEMMAN PORTS

10 Graph-Floyd Algoritmed Loyd, py"

Antriz de distancias minimas:
Cludad de Guatemala -> Ciudad de Guatemala = 0
Cludad de Guatemala -> Ciudad de Guatemala = 10
Cludad de Guatemala -> Cultanimala = 4
Cludad de Guatemala -> Cultanimala = 4
Cludad de Guatemala -> Cultanimala = 10
Zacapa -> Cludad de Guatemala -> Cultanimala = 1
Zacapa -> Cludad de Guatemala = 10
Zacapa -> Cludad de Guatemala = 12
Zacapa -> Cludad de Guatemala = 2
Chiquimula -> Ciudad de Guatemala = 9
Chiquimula -> Ciudad de Guatemala = 9
Chiquimula -> Ciudad de Guatemala = 9
Chiquimula -> Cobin = 6
Chiquimula -> Cultanimala = 0
Chiquimula -> Cultanimala = 0
Chiquimula -> Cotapa = 12
Quetzaltenango -> Culdad de Guatemala = 7
Quetzaltenango -> Culdad de Guatemala = 7
Quetzaltenango -> Cultanimala = 11
Quetzaltenango -> Chiquimula = 11
Quetzaltenango -> Chiquimula = 13
Cobin -> Culdad de Guatemala = 4
Cobin -> Culdad de Guatemala = 8
Cobin -> Culdad de Guatemala = 8
Cobin -> Culdad de Guatemala = 8
Cobin -> Culdad de Guatemala = 2
Cobin -> Cobin = 8
Rutas desde Cludad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala a -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala -> Culdad de Guatemala -> Zacapa -> Chiquimula -> Quetzaltenango
Cludad de Guatemala -> Culdad de Gu
```