To pull it

1 : docker run --pull=always --rm -it -p 8080:8080 --user=root -v /var/run/docker.sock:/var/run/docker.sock -v /tmp:/tmp kestra/kestra:latest server local

Flaw Properties :

Id : name of the flow

Namespace : environment for the tasks and lead with it like a folder

Tasks : list of tasks need in each flow

A screen shot of a computer

Description automatically generated

Input Properties :

Id : name of the input

Type : string array

Defaults : “string”

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Output Properties :

We take it from any task

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Trigger Properties :

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Another type of trigger is flow trigger :

Which waits another flow to be executed then begin execution

A screen shot of a computer

Description automatically generated

* حاجتين زيادة هنا الاولي انك تقدر تقسم الفايل بتاعك ل باريتشنز ويشتغل عليهم parallel
* الحاجة التانية انو يعمل اية وقت ال errors and retries A computer screen shot of a computer code

  Description automatically generatedA computer screen shot of a computer code

  Description automatically generated

---- loading data to postgres yellow and green taxi data

First issue :

There are a lot of files from both green and yellow taxi data so we want to know each time which file we want to download for that we will make inputs to select from it the year and color and month of data we want :

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|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| VendorID | lpep\_pickup\_datetime | lpep\_dropoff\_datetime | store\_and\_fwd\_flag | RatecodeID | PULocationID |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| DOLocationID | passenger\_count | trip\_distance | fare\_amount | extra | mta\_tax |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| tip\_amount, | tolls\_amount | ehail\_fee | improvement\_surcharge | total\_amount | payment\_type |

|  |  |
| --- | --- |
| trip\_type | congestion\_surcharge |
| VendorID, lpep\_pickup\_datetime, lpep\_dropoff\_datetime, store\_and\_fwd\_flag  , RatecodeID , PULocationID , DOLocationID , passenger\_count  , trip\_distance, fare\_amount, extra, mta\_tax, tip\_amount , tolls\_amount , ehail\_fee , improvement\_surcharge  , total\_amount, payment\_type , trip\_type , congestion\_surcharge |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |

VendorID,tpep\_pickup\_datetime,

tpep\_dropoff\_datetime,

passenger\_count  integer,

trip\_distance double precision,

RatecodeID text,

store\_and\_fwd\_flag  text,

PULocationID text,

payment\_type integer,

fare\_amount double precision,

extra double precision,

mta\_tax double precision,

tip\_amount double precision,

tolls\_amount double precision,

improvement\_surcharge  double precision,

total\_amount double precision,

congestion\_surcharge double precision

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          passenger\_count        integer,

          trip\_distance          ,

          fare\_amount            double precision,

          extra                  double precision,

          mta\_tax                double precision,

          tip\_amount             double precision,

          tolls\_amount           double precision,

          ehail\_fee              double precision,

          improvement\_surcharge  double precision,

          total\_amount           double precision,

          payment\_type           integer,

          trip\_type              integer,

          congestion\_surcharge

|  |  |
| --- | --- |
|  |  |