```
nifi@a848917905fd:~/ingest$ ls
ingest.sh
nifi@a848917905fd:~/ingest$ cat ingest.sh
#!/bin/bash
# Directorio de destino
DEST DIR="/home/nifi/ingest"
# Crear el directorio si no existe
if [ ! -d "$DEST DIR" ]; then
    echo "Creando el directorio $DEST DIR"
    mkdir -p "$DEST_DIR"
fi
# Descargar el archivo titanic.csv
FILE URL="https://dataengineerpublic.blob.core.windows.net/data-engineer/titanic.d
DEST FILE="$DEST DIR/titanic.csv"
echo "Descargando el archivo titanic.csv a $DEST_FILE"
curl -o "$DEST_FILE" "$FILE_URL"
# Verificar si la descarga fue exitosa
if [ $? -eq 0 ]; then
    echo "Descarga completada exitosamente."
else
    echo "Error al descargar el archivo."
    exit 1
nifi@a848917905fd:~/ingest$
```

```
nifi@a848917905fd:~/ingest$ ./ingest.sh

Descargando el archivo titanic.csv a /home/nifi/ingest/titanic.csv

% Total % Received % Xferd Average Speed Time Time Time Current

Dload Upload Total Spent Left Speed

100 60353 100 60353 0 0 67225 0 --:--:- 67208

Descarga completada exitosamente.

nifi@a848917905fd:~/ingest$ ls

ingest.sh titanic.csv

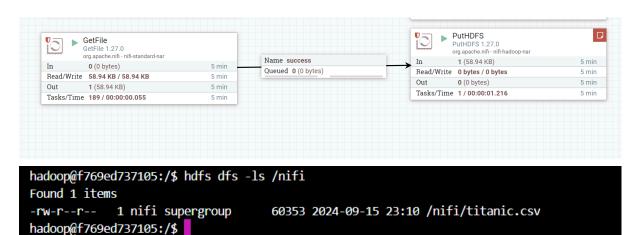
nifi@a848917905fd:~/ingest$
```

2, 3 y 4

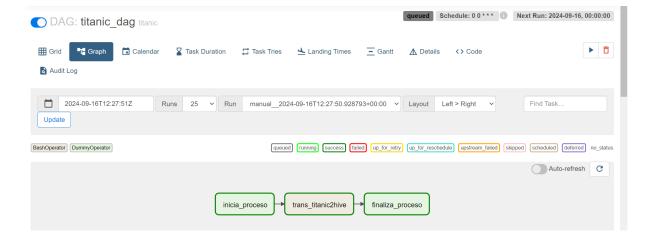


```
nifi@a848917905fd:~$ cd bucket/
nifi@a848917905fd:~/bucket$ ls
titanic.csv
nifi@a848917905fd:~/bucket$
```

5 y 6



```
from datetime import timedelta
from airflow import DAG
from airflow.operators.bash_operator import BashOperator
from airflow.operators.dummy import DummyOperator
from airflow.utils.dates import days_ago
args = {
    'owner': 'airflow',
with DAG(
    dag_id='titanic_dag',
    default_args= args,
    description='titanic',
    schedule_interval='0 0 * * * *',
    start_date=days_ago(2),
    dagrun_timeout=timedelta(minutes=60),
    tags=['ingest', 'transform'],
params={"example_key": "example_value"},
) as dag:
    inicia proceso = DummyOperator(
        task_id='inicia_proceso',
    trans_titanic2hive = BashOperator(
            task_id='trans_titanic2hive',
            bash_command='ssh hadoop@172.17.0.2 /home/hadoop/spark/bin/spark-submit --files /home/ha
doop/hive/conf/hive-site.xml /home/hadoop/scripts/trans_titanic.py ',
    finaliza_proceso = DummyOperator(
        task_id='finaliza_proceso',
```



```
hive> select * from titanic limit 5;
OK
        0
                       Braund Mr. Owen Harris
                                                      male
                                                                      NULL
               3
                                                              22
                                                                             7.25
                       Cumings Mrs. John Bradley (Florence Briggs Thayer)
                                                                             female
        1
               1
8
               71.2833 C85
        NULL
3
                       Heikkinen
                                        Miss. Laina
                                                       female 26
                                                                      NULL
                                                                             7.925
               3
4
                       Futrelle
                                        Mrs. Jacques Heath (Lily May Peel)
                                                                             female
        1
               1
5
        113803.0
                       53.1
                               C123
5
                       Allen Mr. William Henry
                                                      male
                                                              35
                                                                      373450.0
        0
        0
.05
Time taken: 0.19 seconds, Fetched: 5 row(s)
```

8

