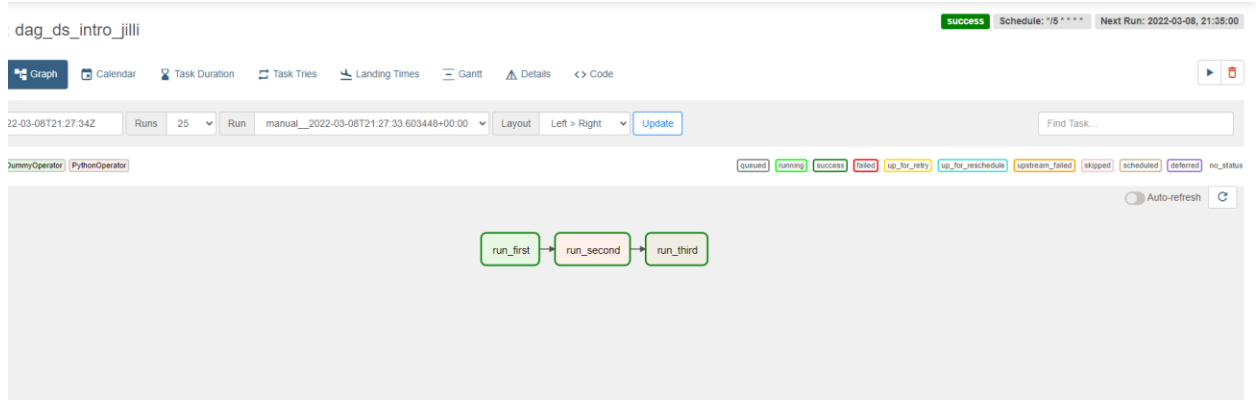
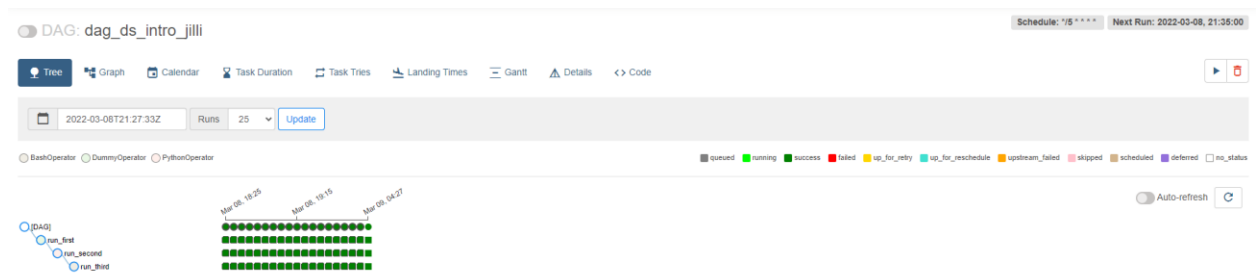


# Homework Basic Airflow

## 1. Screenshot Graph View

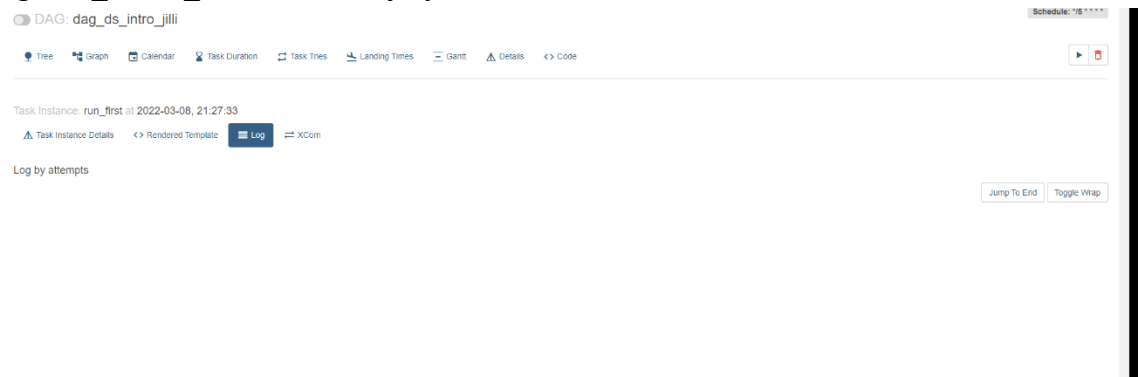


## 2. Screenshot Tree View



## 3. Screenshot Logs setiap operator

- Log task\_id `run_first` => **dummy operator**



- Log task\_id run\_second => PythonOperator

Task Instance: run\_second at 2022-03-08, 21:27:33

[Task Instance Details](#) [<> Rendered Template](#) [Log](#) [XCom](#)

Log by attempts

1

Jump To End Toggle Wrap

```
*** Reading remote log from gs://us-central1-airflowdataeng-2af157c1-bucket/logs/dag_ds_intro_j1111/run_second/2022-03-08T21:27:33.603448+00:00/1.log.
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1033] INFO - Dependencies all met for <TaskInstance: dag_ds_intro_j1111.run_second manual__2022-03-08T21:27:33.603448+00:00 [queued]>
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1033] INFO - Dependencies all met for <TaskInstance: dag_ds_intro_j1111.run_second manual__2022-03-08T21:27:33.603448+00:00 [queued]>
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1239] INFO -
-----
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1240] INFO - Starting attempt 1 of 3
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1241] INFO -
-----
[2022-03-08, 21:27:42 UTC] [taskinstance.py:1260] INFO - Executing <Task(PythonOperator): run_second> on 2022-03-08 21:27:33.603448+00:00
[2022-03-08, 21:27:43 UTC] [standard_task_runner.py:52] INFO - Started process 92274 to run task
[2022-03-08, 21:27:43 UTC] [standard_task_runner.py:76] INFO - Running: ['airflow', 'tasks', 'run', 'dag_ds_intro_j1111', 'run_second', 'manual__2022-03-08T21:27:33.603448+00:00', '--job-id', '5261', '--raw', '--subdir', 'DAGS_FOLDER/dag_ds_intro_j1111.py',
[2022-03-08, 21:27:43 UTC] [standard_task_runner.py:77] INFO - Job 5261: Subtask run_second
[2022-03-08, 21:27:44 UTC] [logging_mixin.py:109] INFO - Running <TaskInstance: dag_ds_intro_j1111.run_second manual__2022-03-08T21:27:33.603448+00:00 [running]> on host airflow-worker-8zwtb
[2022-03-08, 21:27:45 UTC] [taskinstance.py:1426] INFO - Exporting the following env vars:
AIRFLOW_CTX_DAG_OWNER=airflow
AIRFLOW_CTX_DAG_ID=dag_ds_intro_j1111
AIRFLOW_CTX_TASK_ID=run_second
AIRFLOW_CTX_EXECUTION_DATE=2022-03-08T21:27:33.603448+00:00
AIRFLOW_CTX_DAG_RUN_ID=manual__2022-03-08T21:27:33.603448+00:00
[2022-03-08, 21:27:45 UTC] [logging_mixin.py:109] INFO - ini task kedua
[2022-03-08, 21:27:45 UTC] [python.py:175] INFO - Done. Returned value was: None
[2022-03-08, 21:27:45 UTC] [taskinstance.py:1268] INFO - Marking task as SUCCESS. dag_id=dag_ds_intro_j1111, task_id=run_second, execution_date=20220308T212733, start_date=20220308T212742, end_date=20220308T212745
[2022-03-08, 21:27:46 UTC] [local_task_job.py:154] INFO - Task exited with return code 0
[2022-03-08, 21:27:46 UTC] [local_task_job.py:264] INFO - 1 downstream tasks scheduled from follow-on schedule check
```

- Log task\_id run\_third => BashOperator

Task Instance: run\_third at 2022-03-08, 21:27:33

[Task Instance Details](#) [<> Rendered Template](#) [Log](#) [XCom](#)

Log by attempts

1

Jump To End Toggle Wrap

```
*** Reading remote log from gs://us-central1-airflowdataeng-2af157c1-bucket/logs/dag_ds_intro_j1111/run_third/2022-03-08T21:27:33.603448+00:00/1.log.
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1033] INFO - Dependencies all met for <TaskInstance: dag_ds_intro_j1111.run_third manual__2022-03-08T21:27:33.603448+00:00 [queued]>
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1033] INFO - Dependencies all met for <TaskInstance: dag_ds_intro_j1111.run_third manual__2022-03-08T21:27:33.603448+00:00 [queued]>
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1239] INFO -
-----
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1240] INFO - Starting attempt 1 of 3
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1241] INFO -
-----
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1260] INFO - Executing <Task(BashOperator): run_third> on 2022-03-08 21:27:33.603448+00:00
[2022-03-08, 21:27:51 UTC] [standard_task_runner.py:76] INFO - Running: ['airflow', 'tasks', 'run', 'dag_ds_intro_j1111', 'run_third', 'manual__2022-03-08T21:27:33.603448+00:00', '--job-id', '5262', '--raw', '--subdir', 'DAGS_FOLDER/dag_ds_intro_j1111.py', '--
[2022-03-08, 21:27:51 UTC] [standard_task_runner.py:77] INFO - Job 5262: Subtask run_third
[2022-03-08, 21:27:51 UTC] [standard_task_runner.py:52] INFO - Started process 92276 to run task
[2022-03-08, 21:27:51 UTC] [logging_mixin.py:109] INFO - Running <TaskInstance: dag_ds_intro_j1111.run_third manual__2022-03-08T21:27:33.603448+00:00 [running]> on host airflow-worker-8zwtb
[2022-03-08, 21:27:51 UTC] [taskinstance.py:1426] INFO - Exporting the following env vars:
AIRFLOW_CTX_DAG_OWNER=airflow
AIRFLOW_CTX_DAG_ID=dag_ds_intro_j1111
AIRFLOW_CTX_TASK_ID=run_third
AIRFLOW_CTX_EXECUTION_DATE=2022-03-08T21:27:33.603448+00:00
AIRFLOW_CTX_DAG_RUN_ID=manual__2022-03-08T21:27:33.603448+00:00
[2022-03-08, 21:27:51 UTC] [subprocess.py:62] INFO - Tap dir root location:
/tmp
[2022-03-08, 21:27:53 UTC] [subprocess.py:74] INFO - Running command: ['bash', '-c', 'echo "ini task ketiga"']
[2022-03-08, 21:27:53 UTC] [subprocess.py:85] INFO - Output:
[2022-03-08, 21:27:53 UTC] [subprocess.py:89] INFO - ini task ketiga
[2022-03-08, 21:27:53 UTC] [subprocess.py:95] INFO - Command exited with return code 0
[2022-03-08, 21:27:53 UTC] [taskinstance.py:1268] INFO - Marking task as SUCCESS. dag_id=dag_ds_intro_j1111, task_id=run_third, execution_date=20220308T212733, start_date=20220308T212751, end_date=20220308T212753
[2022-03-08, 21:27:54 UTC] [local_task_job.py:154] INFO - Task exited with return code 0
[2022-03-08, 21:27:54 UTC] [local_task_job.py:264] INFO - 0 downstream tasks scheduled from follow-on schedule check
```

#### 4. File Dag Script

```
from datetime import datetime, timedelta
from airflow import DAG
from airflow.operators.bash import BashOperator
from airflow.operators.dummy import DummyOperator
from airflow.operators.python import PythonOperator

def second_func():
    print('ini task kedua')

with DAG(
    dag_id='dag_ds_intro_jilli',
    schedule_interval='*/5 * * * *',
    start_date=datetime(2022,3,4),
    catchup=False
) as dag:
    run_first = DummyOperator(
        task_id='run_first'
    )
    run_second = PythonOperator(
        task_id='run_second',
        python_callable=second_func
    )
    run_third = BashOperator(
        task_id='run_third',
        bash_command='echo "ini task ketiga"'
    )
    run_first >> run_second >> run_third
```