# **Assignment – 7**

# **Airflow Branching**

**Due Date:** Feb 6, 2023

Tasks to-do:

* Create a variable “environment” in Admin->Variables
* This variable can have any of these values: dev | qa | prod
* Create a dag with the below steps
  + Start\_Task - DummyOpertor
  + Get\_Env - BranchPythonOperator. Get above created “environment” variable value
  + Based on the value, a specific branch of the dag must be executed
  + Create ShortCircuitOperator with task name “Validate\_<DEV|QA|PROD>\_Branch” in each branch and this task will verify the “environment” variable is as per the branch and prints the “environment” variable
  + Create DummyOperator “Deploy\_and\_Release\_<DEV|QA|PROD>” in each branch
  + Join task - You need to set a TriggerRule for this task to run. Research on this.
  + End\_Task - DummyOpertor.

Outcomes:

* 1 dag python file
* Screenshot of the dag successful execution

Submissions:

* Create a folder with your name under “Staffing Training 2023/Submissions”
* Share above folder with me so I can access your submissions
* Create another folder with the assignment name “"Assignment 7 - Airflow Branching”
* Copy all the above-created files into that folder
* Send me a slack message on the “training\_2023\_assignments\_discussion” channel