**Practical Exercise 13 - Working with Outputs**

**Exercise Description**

**In this practical exercise, our goal is to explore how to set outputs from within jobs and workflow.**

Here are the instructions for the exercise:

1. Create a file named 12-outputs.yaml under the .github/workflows folder at the root of your repository.
2. Name the workflow 12 - Working with Outputs.
3. Add the following triggers with event filters and activity types to your workflow:
   1. workflow\_dispatch: the workflow\_dispatch trigger should receive the following inputs:
      1. build-status, of type choice, with the following options: success, failure. The default value should be success.
4. Add the following jobs:
   1. The first job:
      1. Should be named build
      2. Should execute on ubuntu-latest
      3. Should have two steps:
         1. The first step, named Print GITHUB\_OUTPUT path, should print the value of the environment variable GITHUB\_OUTPUT
         2. The second step, named Build, should have an id of build, and it should append the following line to the file whose path is stored in the GITHUB\_OUTPUT variable: "status=<retrieve the value of the build-status input here>". If you are not sure how to append values to this file, check the **Tips** sections below.
      4. Should provide an output named build-status, which contains the value of the status output from the step with an id of build.
   2. The second job:
      1. Should be named deploy
      2. Should execute on ubuntu-latest
      3. Should execute only after the build job successfully completes **and** if the status output of the build job equals success.
      4. Should contain a single step named Deploy that prints the following message: "Deploying"
5. Commit the changes and push the code. Trigger the workflow from UI, providing varying values for the inputs. Take a few moments to inspect the output of the workflow runs. How did the different inputs influence the results of the workflow runs?

**Tips**

**Appending values to a file in bash**

To append values to a file, we can use the following syntax: echo "<line content>" >> "<file path>"