**Practical Exercise 12 - Working with Inputs**

**Exercise Description**

**In this practical exercise, our goal is to explore the different ways we can provide inputs to workflows.**

The focus of this exercise will be on providing inputs via the workflow\_dispatch trigger. The workflow\_call trigger also receives inputs, and it is covered in details in **Section 17 - Creating Reusable Workflows**. Here are the instructions for the exercise:

1. Create a file named 11-inputs.yaml under the .github/workflows folder at the root of your repository.
2. Name the workflow 11 - Working with Inputs.
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. dry-run, of type boolean and with a default value of false. It should also contain the following description: "Skip deployment and only print build output"
      2. target, of type environment, required, and with the following description: "Which environment the workflow will target"
      3. tag, of type choice, with the following options: v1, v2, and v3. It should have v3 as the default value, and contain the following description: "Release from which to build and deploy"
4. Add the following jobs:
   1. The first job:
      1. Should be named build
      2. Should execute on ubuntu-latest
      3. Should contain a single step named Build that prints the following message: "Building from tag <retrieve the value of the tag input here>"
   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 input dry-run is set to false.
      4. Should set the environment option to the target input.
      5. Should contain a single step named Deploy that prints the following message: "Deploying to <retrieve the value of the target input here>"
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?