Dog Classifier Pipeline

For this exercise, we're going to extend the fetch dog pictures example to a more complicated use case.

Problem statement:

I love dogs. But I have a problem identifying what breed they are, specially for huskies and malamutes.

Husky

Malamute

I want to use my skills in machine learning to train a model to help me. The problem is that I don't have any data as of yet.

Dog API to use:

Use the free `dog.ceo` api to get a json list of images per breed. Documentation can be found here: https://dog.ceo/dog-api/documentation/breed

Requirements:

1. Fetch 10 dog urls each of malamutes and huskies.
2. The 10 dog pictures of each husky and malamute must be separated into train-validation split of folders.

Under the `/usr/home/dogs` folder

```
dogs
├── train
│   ├── Malamute
│       ├──malamute.png
│   ├── Husky
├── valid
│   ├── Malamute
│   ├── Husky
```

There should be 7 randomly selected pictures each (malamute and husky) picture in our train folder and 3 validation pictures each

3. Create a dummy task for now to represent training the model.

4. Create another dummy task to represent deploying the model.

You can go back to this project when you've learned how to train/deploy models and replace the dummy operators.

Notes:

1. Take note of which tasks can be done in parallel and which tasks must wait for more than one tasks.