```
import pandas as pd
import torch
from torchvision.io import read_image
from torch.utils.data import Dataset, DataLoader
import os

image_width, image_height = 28, 28
```

Create a custom dataset with the flowers dataset.

```
In []:
    def __init__(self, flowers_labels, img_dir):
        self.img_labels = pd.read_csv(flowers_labels)
        self.img_dir = img_dir

def __len__(self):
        return len(self.img_labels)

# Assuming flowers.csv has image path and label is in index 0 and 1
def __getitem__(self, idx):
        img_path = os.path.join(self.img_dir, self.img_labels.iloc[idx, 0])
        image = read_image(img_path)
        label = self.img_labels.iloc[idx, 1]
        return image, label
```

Create a data loader with the flowers dataset with shuffling

Fetch a batch from the dataloader

```
In [ ]: train_features, train_labels = next(iter(train_dataloader))
```

Create a simple neural network with a Linear layer and Relu layer