MY DATALOADER

```
import os
import torch
import numpy as np
import torchvision
import matplotlib.pyplot as plt # for plotting images
from torchvision import datasets, transforms , utils
class MyDataLoader:
    def init (self, data path, batch size):
        self.trans = transforms.Compose([transforms.ToTensor(),]) # Converting
input image into pytorch tensor
       # defining dataset destination and batch size
        self.data_path = data_path
        self.batch size = batch size
        self.data = datasets.ImageFolder(root=self.data_path,
transform=self.trans) # Transformed dataset with each class in separate
folders
        self.dataloader = torch.utils.data.DataLoader(self.data,
batch size=self.batch size, shuffle=True, drop last=True) # Loading dataset
with specific batch size, also shuffle and drop the last used images
# Making dataloader iterable
    def __iter__(self):
       return iter(self.dataloader)
# For next batch of datasets
    def next (self):
       return next(self.dataloader)
WORKING EXAMPLE
```

FOR SHOWING IMAGES (Verification)

```
for i in range(No_of_batches):
    images, class_no = next(iter(data_loader))
    print(f"Batch {i+1}:", class_no)
    plt.imshow(torchvision.utils.make_grid(images,
nrow=len(images)).permute(1, 2, 0))
    plt.axis('off')
    plt.show()
```