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# 2025 USA-NA-AIO Round 2, Problem 3, Part 8

USAAIO 

May 2025

## Part 8 (5 points, coding task)

In this part, we prepare our CLIP dataset.

1. Define class `MyDataset` that subclasses `Dataset` .

- `__init__`
  - Inputs: `images_pt` , `token_id_list` .
  - Attributes: Same as inputs.
- `__len__`
  - Output: total number of samples.
- `__getitem__`
  - Input: sample index `idx`
  - Outputs: `images_pt[idx]` , `token_id_list[idx]`

2. Define dataset `CLIP_dataset` that is an object of `MyDataset` .

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### WRITE YOUR SOLUTION HERE ###

```
class MyDataset(Dataset):
```

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```
def __init__(self, images_pt, token_id_list):
    self.images_pt = images_pt
    self.token_id_list = token_id_list

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

def __getitem__(self, idx):
    return self.images_pt[idx], self.token_id_list[idx]

CLIP_dateset = MyDataset(images_pt, token_id_list)

""" END OF THIS PART """
```

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