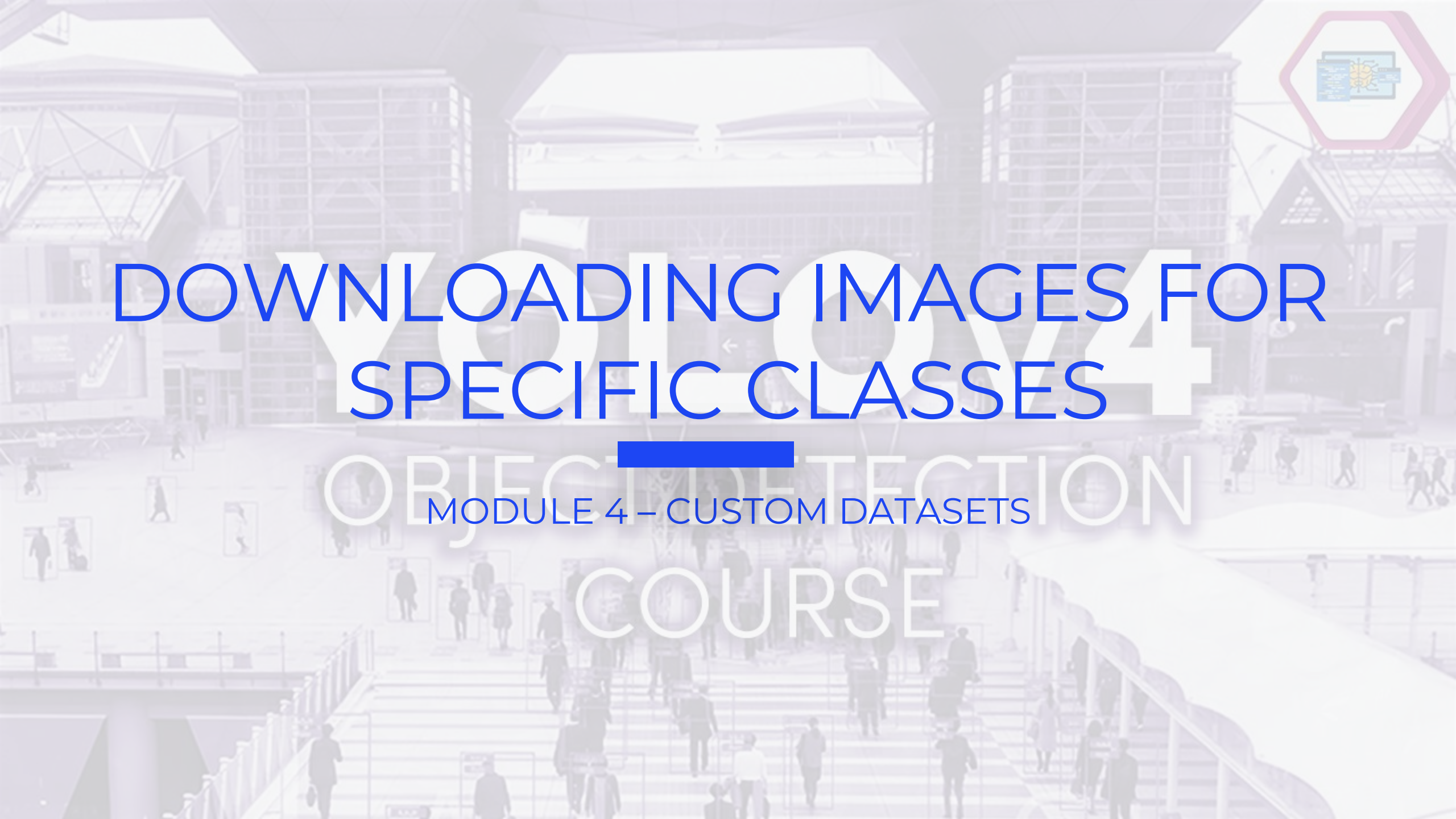
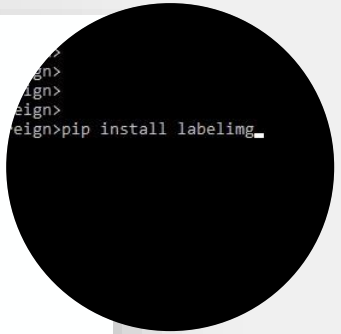



# DOWNLOADING IMAGES FOR SPECIFIC CLASSES

## MODULE 4 – CUSTOM DATASETS

# Downloading OIDv4 Toolkit - 1




**By using already installed OIDv4 toolkit in previous lecture, download images for training with following steps.**

In Command Prompt and go to the directory with OIDv4 toolkit.

```
dir
```

It will show all sub-directories you can go in, including OIDv4_ToolKit. Go inside this directory by using following command in Command Prompt

```
cd OIDv4_ToolKit
```

Pay attention, letter K in the name of directory is capital.

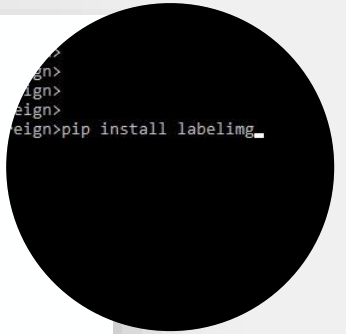
List possible options by following command in Terminal (or Anaconda Prompt):

```
python main.py
```

or use detailed explanation of usage by following command:

```
python main.py -h
```

# Downloading OIDv4 Toolkit - 2




## Downloading the Images

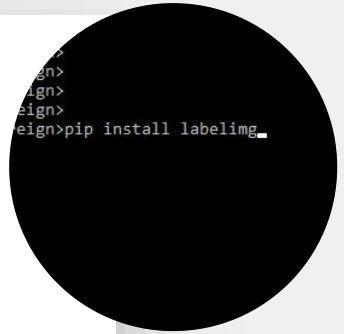
To start download images, run following command in Terminal

```
python main.py downloader --classes Coin Tennis_Ball Dice --type_csv train --multiclasses 1 --limit 800
```

Used arguments in the example above:

- --classes Coin Tennis_ball Dice
  - names of the classes (**IMPORTANT**, here we have class name that consists of two words and we need to use the underscore character to connect them instead of using the space)
- --type_csv train
  - specifying the type of dataset (train, validation and test; or all)
- --multiclasses 1
  - specifying that all classes will be downloaded together in one folder
- --limit 800
  - specifying the number of images that will be downloaded for every class

# Downloading OIDv4 Toolkit - 3




## Verifying the Visualizer

In order to verify annotations, simply launch visualizer that will show images and bounding boxes, by following command in Command Prompt.

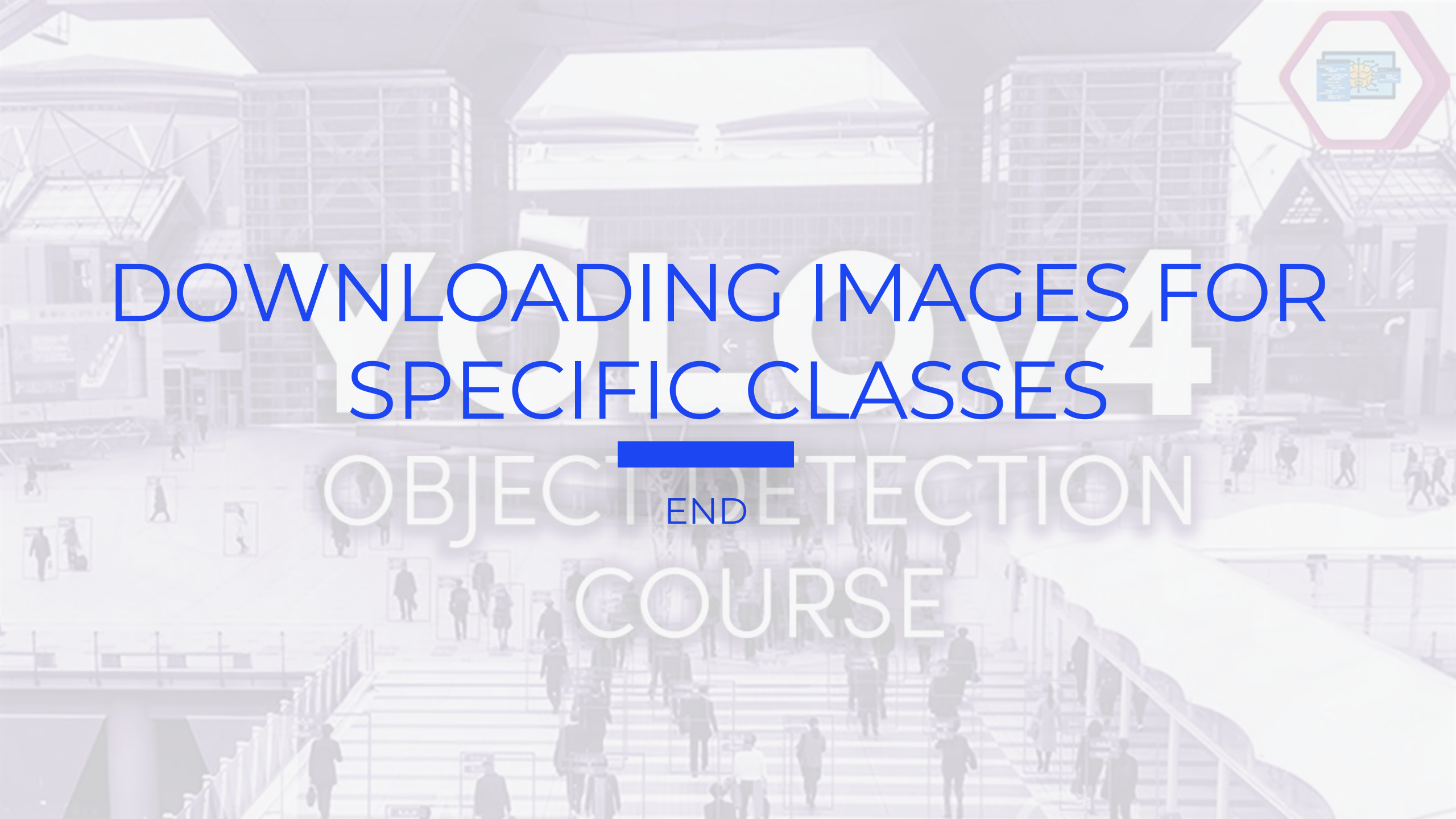
```
python3 main.py visualizer
```

or:

```
python main.py visualizer
```

Follow the prompts and type needed folder which is train in the example above and needed class to visualize which is the name of the folder that contains all three classes Coin_Tennis ball_Dice.

By using '**D'** and '**A'** go next and previous between images. By using '**Q'** exit from the visualizer.




# DOWNLOADING IMAGES FOR SPECIFIC CLASSES

END