

+ Code + Text

RAM
Disk

```
[2] !pip install -Uqq fastbook
```

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----- 719.8/719.8 kB 11.3 MB/s eta 0:00:00
----- 474.6/474.6 kB 25.9 MB/s eta 0:00:00
----- 1.3/1.3 MB 41.6 MB/s eta 0:00:00
----- 7.0/7.0 MB 40.6 MB/s eta 0:00:00
----- 224.5/224.5 kB 18.4 MB/s eta 0:00:00
----- 212.5/212.5 kB 18.4 MB/s eta 0:00:00
----- 134.3/134.3 kB 11.5 MB/s eta 0:00:00
----- 1.0/1.0 MB 43.6 MB/s eta 0:00:00
----- 110.5/110.5 kB 9.1 MB/s eta 0:00:00
----- 7.8/7.8 MB 69.4 MB/s eta 0:00:00
----- 268.8/268.8 kB 25.4 MB/s eta 0:00:00
----- 114.5/114.5 kB 10.5 MB/s eta 0:00:00
----- 149.6/149.6 kB 15.4 MB/s eta 0:00:00
----- 1.6/1.6 MB 48.2 MB/s eta 0:00:00
    
```

```
[5] from fastbook import *
```

```
[6] types = 'labrador', 'german shepard'
     path = Path('dogs')
```

```
[8] if not path.exists():
     path.mkdir()
     for o in types:
         dest = (path/o)
         dest.mkdir(exist_ok=True)
         results = search_images_ddg(f'{o} dog')
         download_images(dest, urls=results)
```

```
[9] fns = get_image_files(path)
     fns
```

```
(#376) [Path('dogs/german shepard/39b9e624-dd93-4fb5-84a9-abb499dde97.jpg'), Path('dogs/german shepard/105ef910-0113-40fd-b6d3-fe0c8a11d9fb.jpg'), Path('dogs/german shepard/343d1672-3300-40d4-b80a-adc7a009489f.jpg'), Path('dogs/german shepard/90113136-4f6c-415b-b373-3d35c36e3427.jpg'), Path('dogs/german shepard/d068b166-5f6e-4914-a841-6d18a7cc589d.jpg'), Path('dogs/german shepard/f4d68ca1-4b26-48c3-94ff-2c7ad38a2036.jpg'), Path('dogs/german shepard/ca4c3274-4913-41a3-b070-775b33e0b5e3.jpg'), Path('dogs/german shepard/f5d5e52f-e9f5-42ab-a130-f7a511d8f1af.jpg'), Path('dogs/german shepard/673e8e4c-eb7e-4fb3-b45f-7b3f6bde279f.jpg'), Path('dogs/german shepard/0f4dee2c-5e89-4550-9e79-f84062aae137.jpg')]...
```

```
[10] failed = verify_images(fns)
      failed
```

```

/usr/local/lib/python3.10/dist-packages/PIL/TiffImagePlugin.py:819: UserWarning: Corrupt EXIF data. Expecting to read 4 bytes but
warnings.warn(str(msg))
(#5) [Path('dogs/german shepard/cae28186-7f78-4ab6-b795-c7b6ee92f335.jpg'), Path('dogs/german shepard/4cf5b483-595d-4538-8007-bb27ebfdbc89.jpg'), Path('dogs/german shepard/5cb79bef-e551-4521-a148-e9e3ad90df91.jpg'), Path('dogs/german shepard/c354be6a-c590-4266-9874-38983aac8f1f.jpg'), Path('dogs/labrador/724cd737-abb0-4c89-97ac-a75f23c5305d.jpg')]
    
```

```

[16s] ▶ dls = DataBlock(
        blocks=(ImageBlock, CategoryBlock),
        get_items=get_image_files,
        splitter=RandomSplitter(valid_pct=0.2, seed=42),
        get_y=parent_label,
        item_tfms=[Resize(192, method='squish')])
        .dataloaders(path)

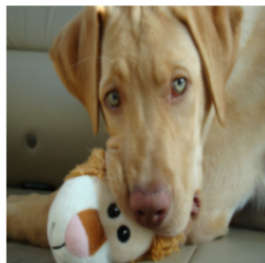
dls.show_batch(max_n=6)
    
```

labrador



german shepard

labrador



german shepard

labrador



german shepard



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✓ 15s completed at 12:49

