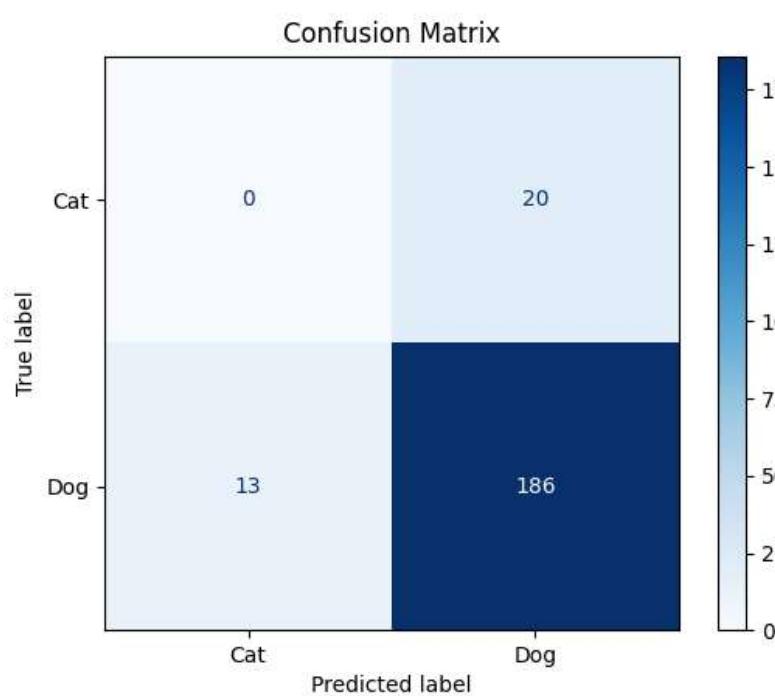


The screenshot shows a Python development environment with the following components:

- File Explorer:** Shows project structure with files like `LAB.PY`, `dataset`, `cat`, `dog`, and `main.py`.
- Code Editor:** A tab titled "main.py 7" displays Python code for a prediction function.
- Plots:** Two line charts are displayed side-by-side:
  - Accuracy:** Shows Train Accuracy (blue line) increasing from ~0.91 to ~0.98, and Val Accuracy (orange line) fluctuating between 0.84 and 0.91.
  - Loss:** Shows Train Loss (blue line) decreasing from ~0.4 to ~0.05, and Val Loss (orange line) increasing from ~0.3 to ~1.2.
- Terminal:** The bottom pane shows a terminal window with command-line output related to training epochs and missing imports.

```
dataset > main.py > ...
120  def predict_image(img_path):
121      plt.imshow(image)
122      plt.axis("off")
123      plt.show()
124
125
126
```

Figure 1



```
Programs\Python\Python313\python.exe "c:\Users\zumer\OneDrive\Desktop\la
```

```
087 - val_loss: 0.3857
```

```
904 - val_loss: 0.4267
```

```
676 - val_loss: 0.4660
```

```
721 - val_loss: 0.6593
```

```
904 - val_loss: 0.7826
```

```
356 - val_loss: 0.8742
```



Epoch 14/15

28/28 8s 300ms/step - accuracy: 0.9841 - loss: 0.0554 - val\_accuracy: 0.8721 - val\_loss: 1.2497

Epoch 15/15

28/28 8s 274ms/step - accuracy: 0.9818 - loss: 0.0550 - val\_accuracy: 0.8493 - val\_loss: 1.1518

7/7 1s 183ms/step

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4 42°F

Mostly cloudy