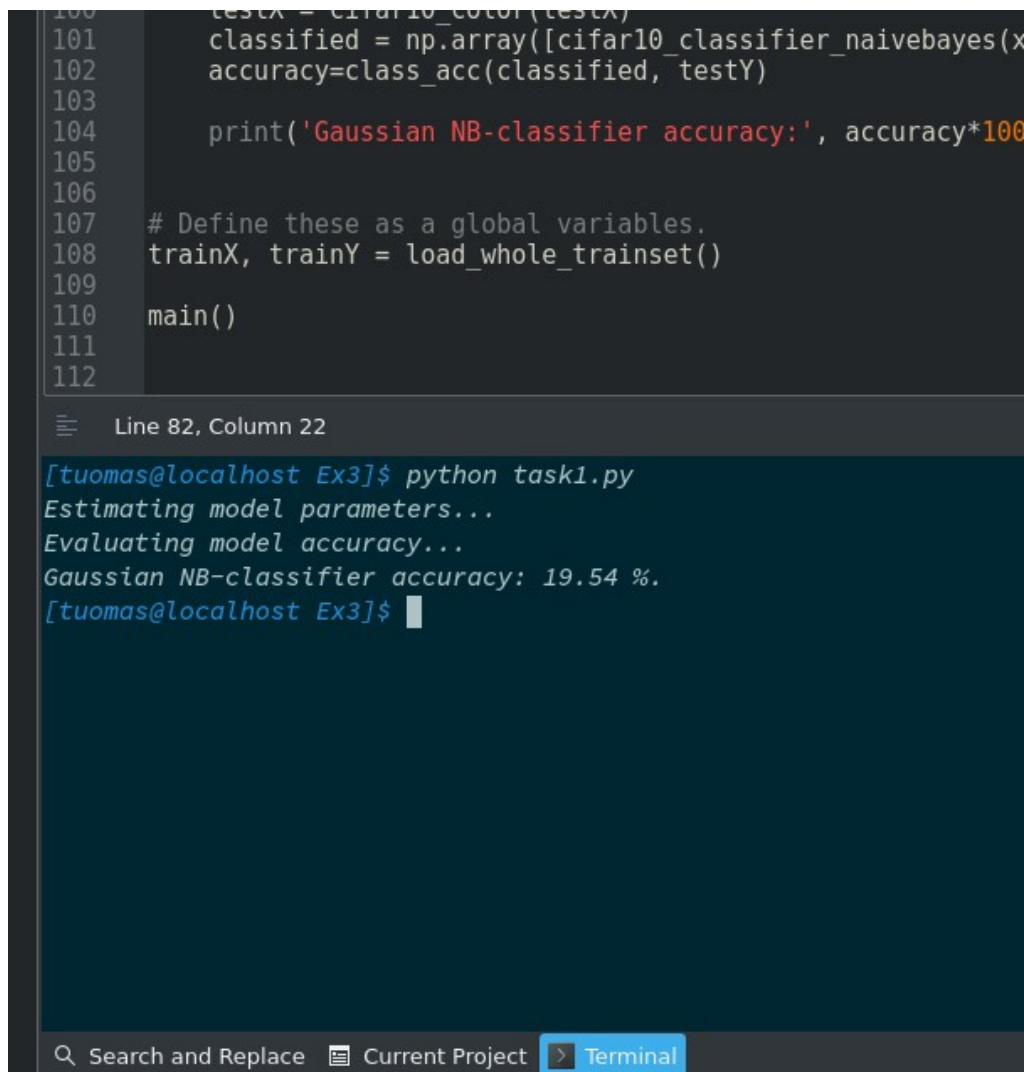


**CIFAR-10 – Bayesian classifier (super simple)** (40 points)

Screenshot that summaries the results:



```
100     testX = cifar10_loader(testX)
101     classified = np.array([cifar10_classifier_naivebayes(x)
102     accuracy=class_acc(classified, testY)
103
104     print('Gaussian NB-classifier accuracy:', accuracy*100)
105
106
107 # Define these as a global variables.
108 trainX, trainY = load_whole_trainset()
109
110 main()
111
112
```

Line 82, Column 22

```
[tuomas@localhost Ex3]$ python task1.py
Estimating model parameters...
Evaluating model accuracy...
Gaussian NB-classifier accuracy: 19.54 %.
[tuomas@localhost Ex3]$
```

Search and Replace | Current Project | Terminal

For NB-classifier and 1x1 images I got 19.45% accuracy. I didn't write separate script for evaluating the model since I thought it was unnecessary. All code is in one file.