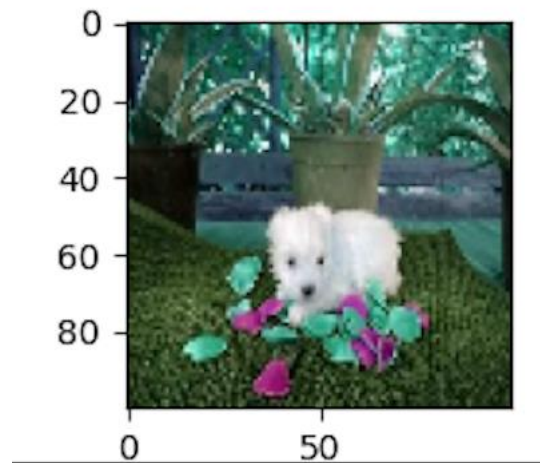


Prediction 1:

```
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
4
Out[18]: 'dog'
[1.4334751e-02 1.3578181e-02 9.3310972e-04 5.4284297e-02 8.5567003e-01
 2.1174077e-04 3.1198440e-03 4.2664405e-02 4.1340971e-03 1.1069556e-02]
```

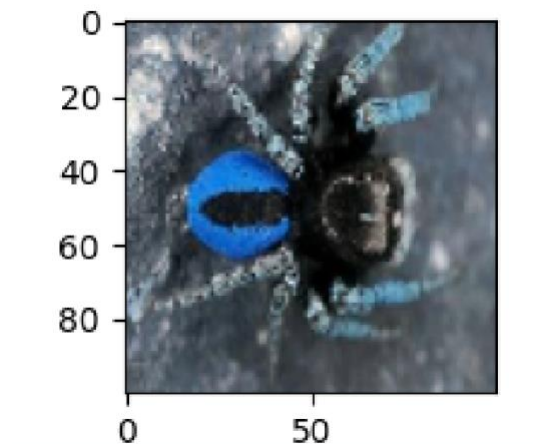
85% - ended up being correct



Prediction 2:

```
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
8
Out[19]: 'spider'
[4.1424241e-02 2.9587904e-03 5.1927734e-02 3.2596940e-03 2.2374569e-02
 5.3503527e-04 2.7835663e-04 1.3325354e-03 8.6323190e-01 1.2677124e-02]
```

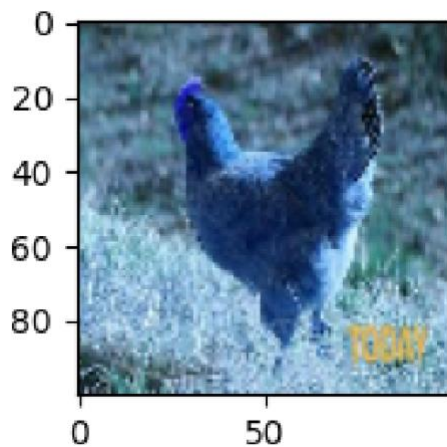
86% - correct



Prediction 3:

```
[3.9512606e-06 4.1774270e-05 9.6120191e-01 6.1648611e-06 4.4533709e-04  
3.3520453e-06 9.4447699e-08 1.3200433e-05 2.4441716e-03 3.5840008e-02]  
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']  
2  
Out[23]: 'chicken'
```

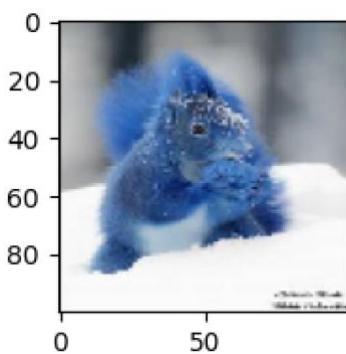
96 % - correct



Prediction 4:

```
[2.8310256e-05 4.8670001e-02 3.7742993e-05 4.8384084e-07 8.5251103e-04  
1.9928889e-06 1.2323278e-06 7.2949595e-05 1.7826267e-03 9.4855213e-01]  
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']  
9  
Out[25]: 'squirrel'
```

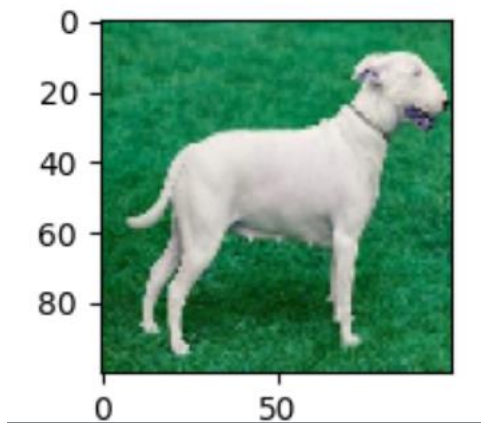
95% -correct



Prediction 5:

```
[5.2589388e-03 5.7180156e-03 2.4444130e-03 2.1899074e-02 7.4045086e-01
 6.6260625e-05 5.6673288e-02 2.1128448e-02 1.4569631e-01 6.6431845e-04]
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
4
Out[27]: 'dog'
```

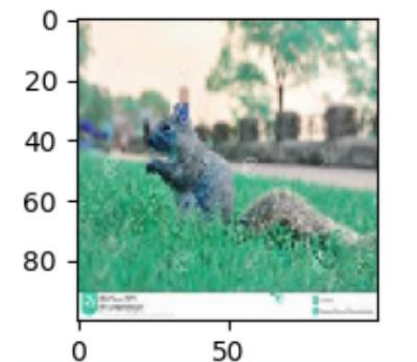
74% - correct



Prediction 6:

```
[1.5930847e-04 4.8825002e-01 9.5285423e-04 1.3214892e-02 5.7558063e-02
 1.1115103e-03 1.9258871e-03 2.0203385e-01 3.0701584e-03 2.3172341e-01]
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
1
Out[29]: 'cat'
```

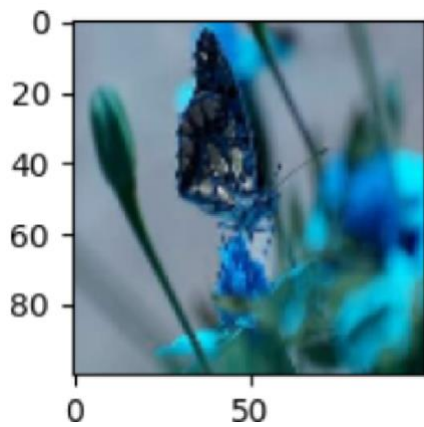
48% predicted cat, in reality was squirrel with 23% (next highest)



Prediction 7:

```
[2.8779436e-02 1.4472941e-04 2.6149341e-04 1.9578441e-05 1.8124497e-03
 6.6809644e-06 1.7239467e-05 1.6402297e-05 9.6529996e-01 3.6420240e-03]
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
8
Out[31]: 'spider'
```

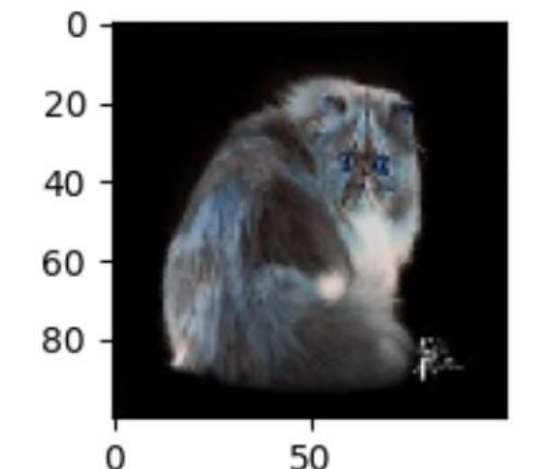
97% predicted spider, in reality was butterfly with 2.8% (next highest)



Prediction 8:

```
[0.00093428 0.44759983 0.00623482 0.00634546 0.41538307 0.00563676
 0.02364653 0.05348776 0.00778581 0.03294566]
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']
1
Out[33]: 'cat'
```

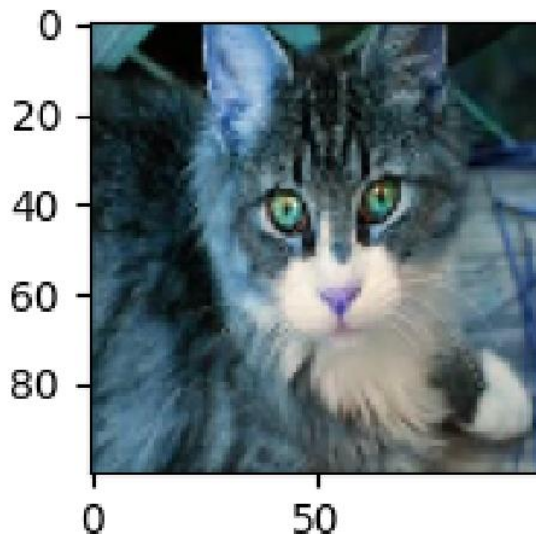
44% predicted cat – correct



Prediction 9:

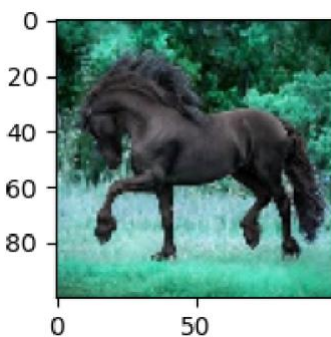
```
[4.7189374e-06 9.9927026e-01 5.0676076e-06 9.2942298e-07 4.5480169e-04  
2.0232710e-07 7.7587055e-07 3.9185310e-05 3.0602303e-05 1.9334684e-04]  
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']  
1  
Out[35]: 'cat'
```

99.9% predicted cat – correct



Prediction 10:

```
[3.2666558e-06 8.3443310e-06 4.0335894e-06 4.8128824e-04 3.4036385e-03  
2.8969991e-04 9.9564606e-01 1.3483170e-04 2.6986512e-05 1.8898724e-06]  
['butterfly', 'cat', 'chicken', 'cow', 'dog', 'elephant', 'horse', 'sheep', 'spider', 'squirrel']  
6  
Out[43]: 'horse'
```



99.5% predicted horse- correct

Predicted five more images: all were correct. Model is pretty good at predicting.