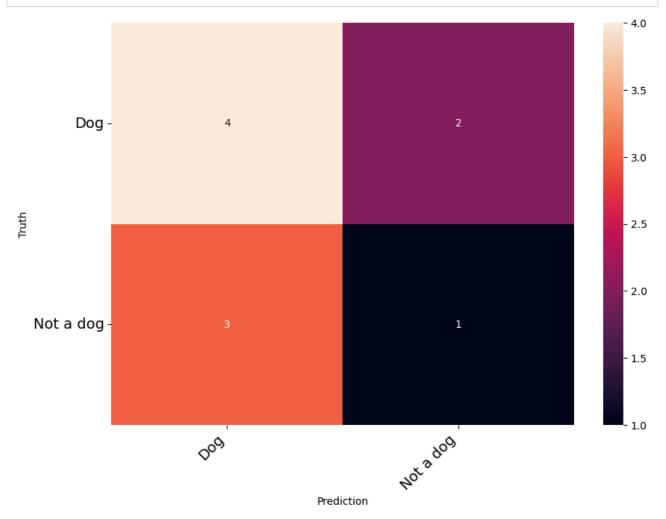
```
from sklearn.metrics import confusion_matrix , classification_report
                          import pandas as pd
                          import seaborn as sns
In [2]: 🔰 # Source code credit for this function: https://gist.github.com/shaypal5/94c53d765083101efc0240d776a23823
                          def print_confusion_matrix(confusion_matrix, class_names, figsize = (10,7), fontsize=14):
                                      ""Prints a confusion matrix, as returned by sklearn.metrics.confusion_matrix, as a heatmap.
                                  Arguments
                                   confusion_matrix: numpy.ndarray
                                           The numpy.ndarray object returned from a call to sklearn.metrics.confusion_matrix.
                                           Similarly constructed ndarrays can also be used.
                                   class names: list
                                           An ordered list of class names, in the order they index the given confusion matrix.
                                   figsize: tuple
                                           A 2-long tuple, the first value determining the horizontal size of the ouputted figure,
                                           the second determining the vertical size. Defaults to (10,7).
                                   fontsize: int
                                           Font size for axes labels. Defaults to 14.
                                  Returns
                                  matplotlib.figure.Figure
                                   The resulting confusion matrix figure
                                  df cm = pd.DataFrame(
                                           confusion_matrix, index=class_names, columns=class_names,
                                  fig = plt.figure(figsize=figsize)
                                   try:
                                           heatmap = sns.heatmap(df_cm, annot=True, fmt="d")
                                   except ValueError:
                                           raise ValueError("Confusion matrix values must be integers.")
                                  heatmap.yaxis.set_ticklabels(heatmap.yaxis.get_ticklabels(), rotation=0, ha='right', fontsize=fontsiz
                                   heatmap.xaxis.set_ticklabels(heatmap.xaxis.get_ticklabels(), rotation=45, ha='right', fontsize=fontsi
                                   plt.ylabel('Truth')
                                   plt.xlabel('Prediction')
                                                      ["Dog", "Not a dog", "Dog", "Dog", "Not a dog", "Dog", "Do
In [3]: ► truth =
                                                                                               "Dog", "Not a dog", "Dog", "Not a dog", "Dog",
                          prediction = ["Dog","Dog",
                                                                                                                                                                                                             "Not a dog", "Dog", "D
```

In [1]: ▶ from matplotlib import pyplot as plt



In [5]: print(classification_report(truth, prediction))

support	f1-score	recall	precision	
6	0.62	0.67	0.57	Dog
4	0.29	0.25	0.33	Not a dog
10	0.50			accuracy
10	0.45	0.46	0.45	macro avg
10	0.48	0.50	0.48	weighted avg

f1 score for Dog class

```
In [6]: ► 2*(0.57*0.67/(0.57+0.67))
```

Out[6]: 0.6159677419354839

f1 score for Not a dog class

```
In [7]: N 2*(0.33*0.25/(0.33+0.25))
Out[7]: 0.2844827586206896
```