Question 6

Perform a grid search over the parameters listed below for a Logisitic Regression classifier, using recall for scoring and the default 3-fold cross validation.

'penalty': ['l1', 'l2']

'C':[0.01, 0.1, 1, 10, 100]

From .cv\_results\_, create an array of the mean test scores of each parameter combination. i.e.

l1 l2

0.01 ? ?

0.1 ? ?

1 ? ?

10 ? ?

100 ? ?

This function should return a 5 by 2 numpy array with 10 floats.

Note: do not return a DataFrame, just the values denoted by '?' above in a numpy array. You might need to reshape your raw result to meet the format we are looking for.