Section2: Cross-validation and Parameter Tuning

Now that you are done with the videos of section 2, let's assess your learning. Here, are a few questions, followed by 4 options, out of which 1 is the correct option. Select the right option and validate your learning! The answers are provided in a separate sheet

- Q1. How many estimates of the performance metrics can you get when using K-fold cross validation?
 - a. 1
 - b. K 1
 - c. K
 - d. K+1
- Q2. Besides getting a more accurate estimation of the performance metrics, K-fold cross-validation is useful for:
 - a. Hyper-parameter tuning
 - b. Getting more samples
 - c. Better visualization of the model
 - d. Improve the performance metrics
- Q3. What are hyper-parameters?
 - a. Parameters that are not directly learnt within estimators
 - b. Parameters of the meta-estimator
 - c. Parameters that cannot be adjusted
 - d. None of the above
- Q4. Which scikit-learn class is used to look for the best parameters from a specified grid using cross-validation?
 - a. BaseSearchCV
 - b. SeachCV
 - c. CrossValidationSearch
 - a. GridSearchCV

