Q1 is the code executable.
Yes
The all cells can be executed.

Q2 documented.
Well documented
Almost every cell has notes which recorded what the group has down in this step.

Q3 something did well
Overall, the code is well-organized and well-documented. Specifically, the group used validation data effectively during the training of dataset1. They also performed well in the preprocessing stage, usually remembering to maintain the checkpoint, to check the size of the data, or the shape of the tensor.

Q4 something improve
While they managed a suitable manual method to test the combination of hyperparameter sets, they may consider methods like random search for more efficiency.

Q5
Yes, the group has answered all the questions mentioned in the assignment requirements.

Q6 which parameter
The group conducted three different experiment:
Experiment 1: optimizer, the learning rate and the number of epochs;
Experiment 2: layers, filter size and the batch size;
Experiment 3: filter size, the dropout and pooling.

Q7
yes
Experiment 1: Accuracy: 0.574,0.562; Macro F1:0.518, 0.509;
Experiment 2: Accuracy: 0.546, 0.538; Macro F1:0.530, 0.493;
Experiment 3: Accuracy: 0.542, 0.542; Macro F1:0.482, 0.479;
Testing Data for 1st Data Set: Accuracy 0.577; Macro F1 0.497

Q8
yes
Testing Data for 2nd Data Set:
Accuracy: 0.737
Macro F1: 0.486

Q9
Partially

The group conducted quite specific experiments on different hyper-parameter combinations and found that filter size seems to have a significant impact on performance. However, they did not explain the specific reason for this.

Q10
The group detailed the preprocessing steps, explaining decisions like why they decided to keep the symbol '@'.

Q11
In the last part, they discovered that the window size of the filters influenced the model's performance, which is an interesting finding. They could conduct further analysis on this, such as exploring the reasons behind it.

Q12
yes

Q13
1
The group has completed all the requirements of the tasks and reported them in the required format. They have done excellent work in the preprocessing step. Considering the group's entire work, we decided to assign them full marks.