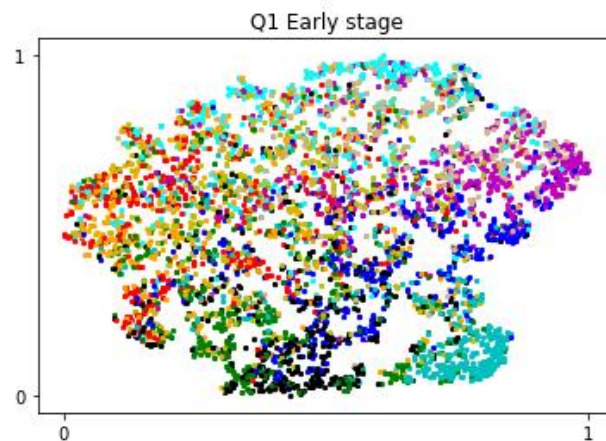Question1(+2 pts): Visualize distribution of features across different classes.

1. Please make t-SNE plot the distribution of early, middle, final stage.
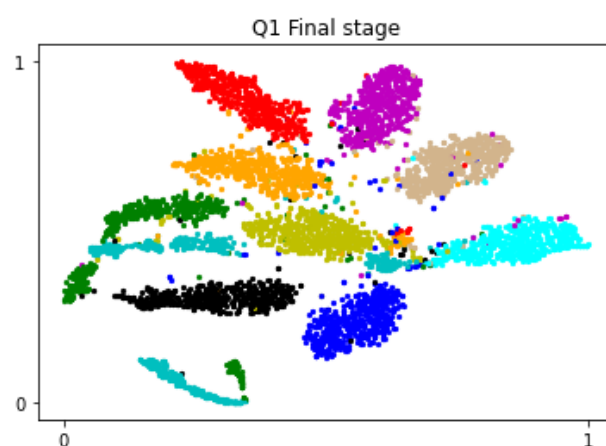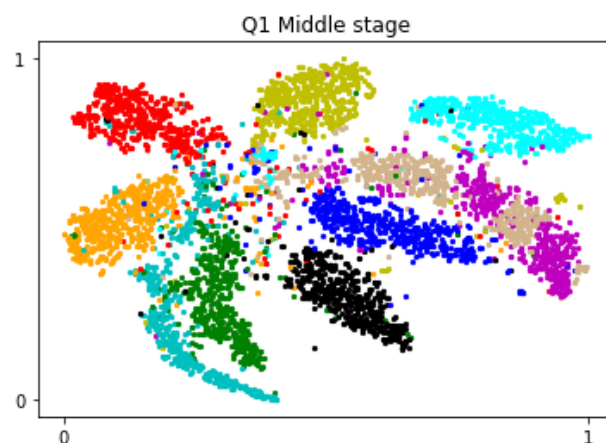
    a. Evaluate the model on training dataset, collect features and labels

    b. Make 3 t-SNE plots of the following training phase:

        i. early stage ii. middle stage iii. final stage

Early: 100 epochs
Middle: 5000 epochs
Final: 10000 epochs

2. Explain and analyze the distribution of features of three stages.

從 early 到 final stage，可以看到十個分類分變得越來越清晰，可見在訓練 epoch 在 final stage 時，feature extractor 的果最好。
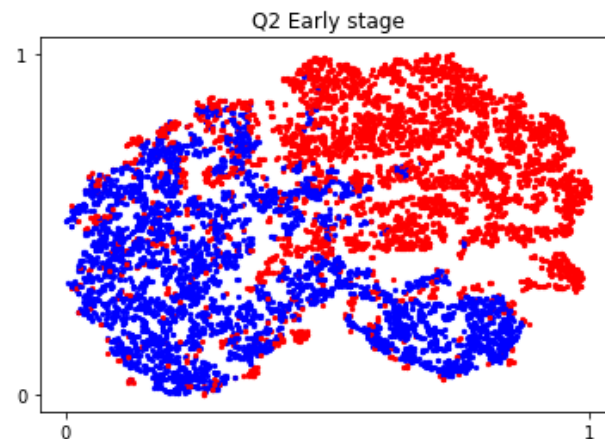
Quesion2 (+2pts): Visualize distribution of features across different domains.

1. Please plot the distribution of early, middle, final stage.

    a. Evaluate the model on source dataset and target dataset, collect feature and labels
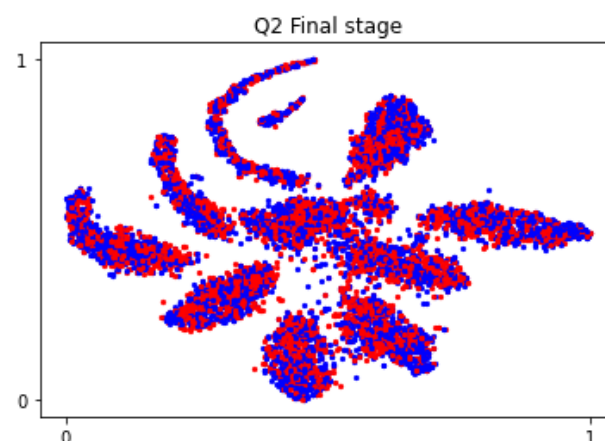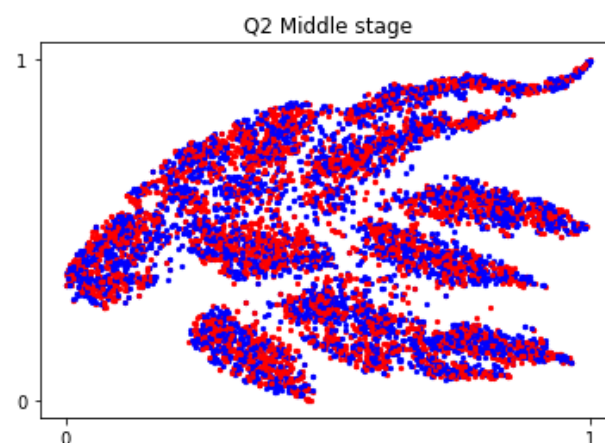
    b. Make 3 plots of the following training phase:

        i. early stage ii. middle stage iii. final stage

Early: 100 epochs
Middle: 5000 epochs
Final: 10000 epochs

Red: source
Blue: Target

2. Explain and analyze the distribution of features of three training phases.

    同 Q1，feature extractor 在越後面的 stage 表現效果最好，可以清楚的分類訓練和測試資料集。