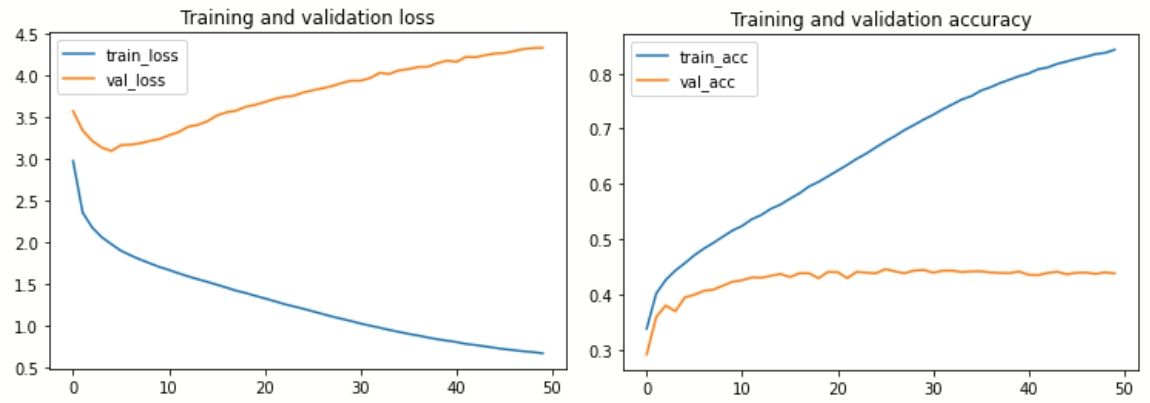
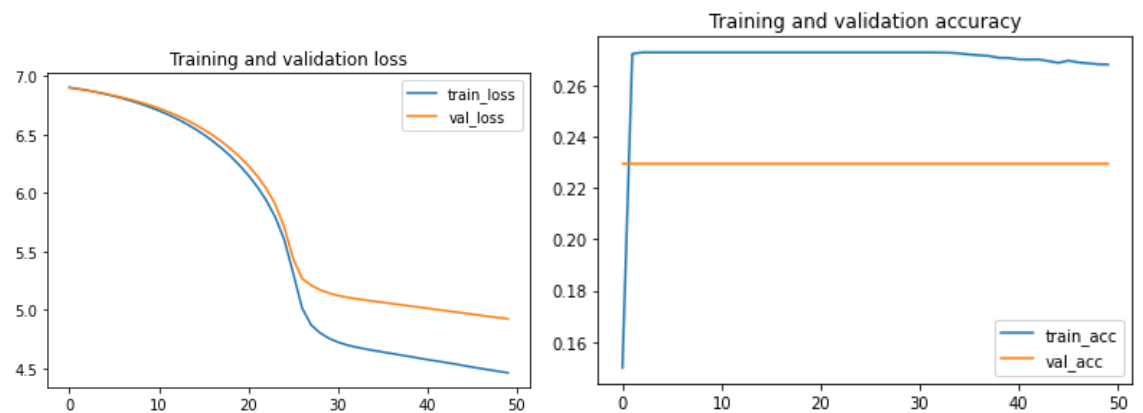


توجه : منحنی های یادگیری این سند، مرتبط به آزمایشات کاربرگ (sheet) ، Persian از فایل results_final_phase.xlsx است.

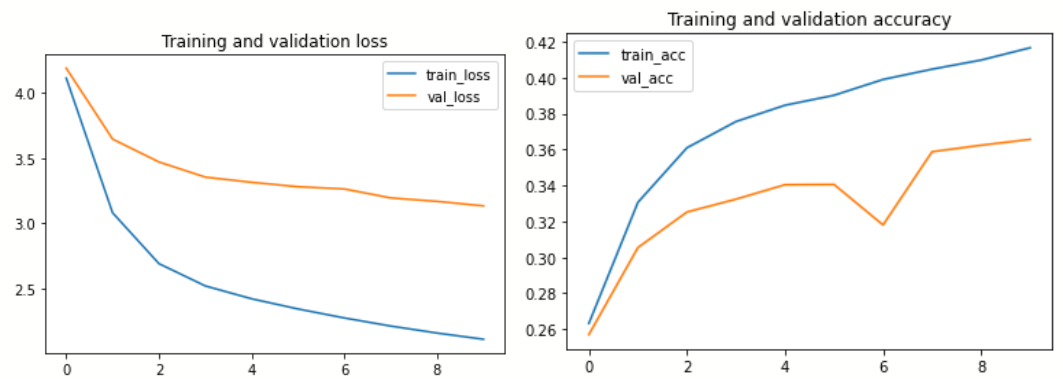
آز ۱۴ :



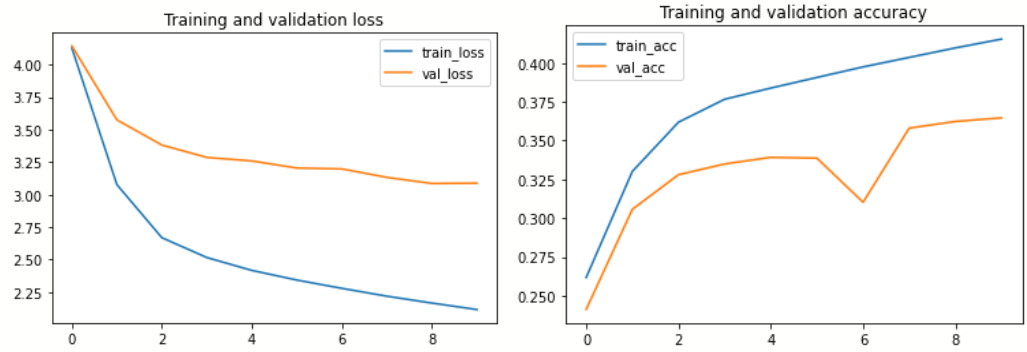
آز ۱۵ :



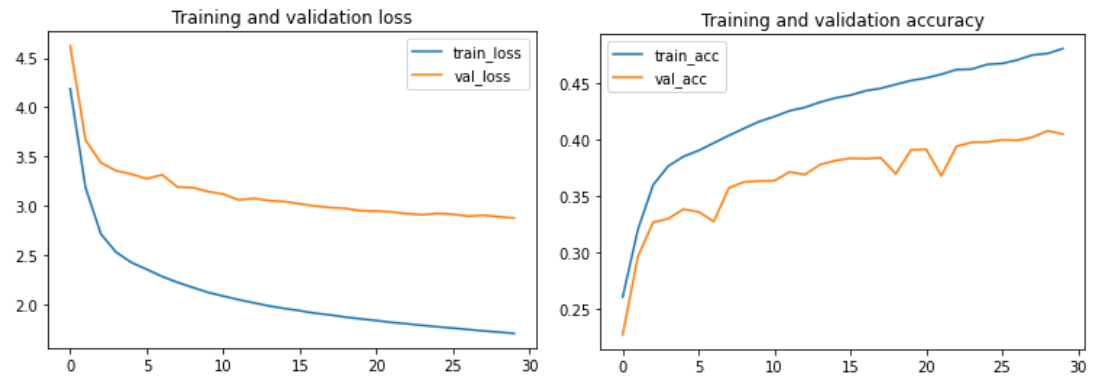
آز ۱۶ :



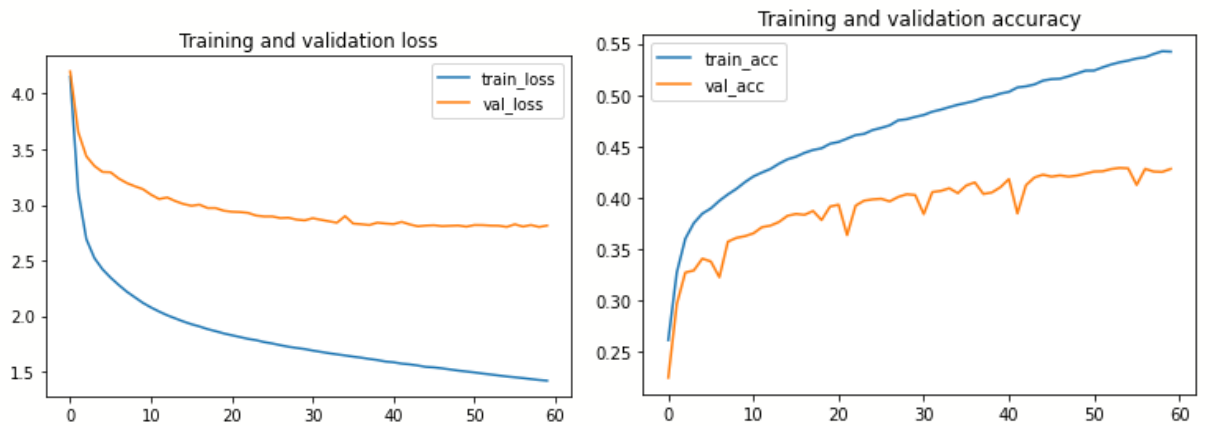
آز ۱۷ :



آز ۱۸:



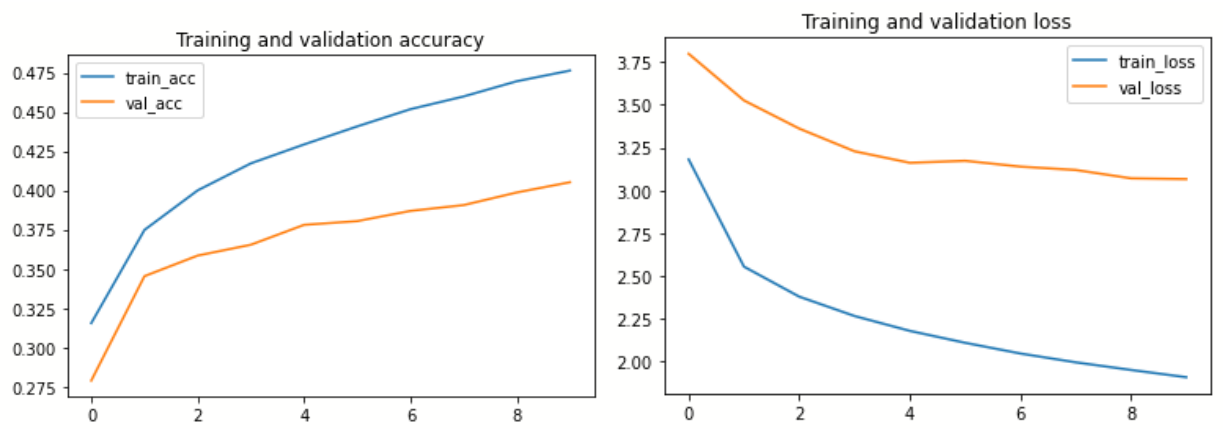
آز ۱۹:



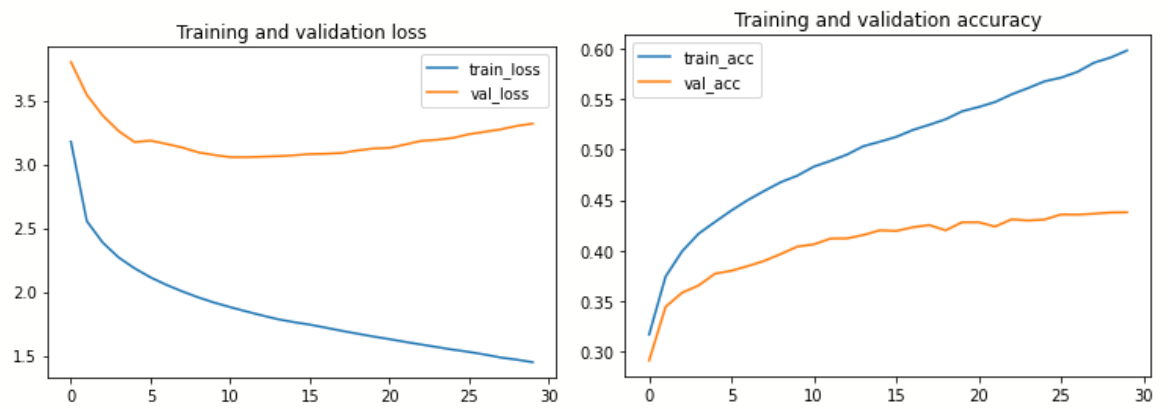
loss: 4.1521 - accuracy: 0.2617 - val_loss: 4.2000 - val_accuracy: 0.2251

151s 351ms/step - loss: 1.4178 - accuracy: 0.5422 - val_loss: 2.8134 - val_accuracy: 0.4282

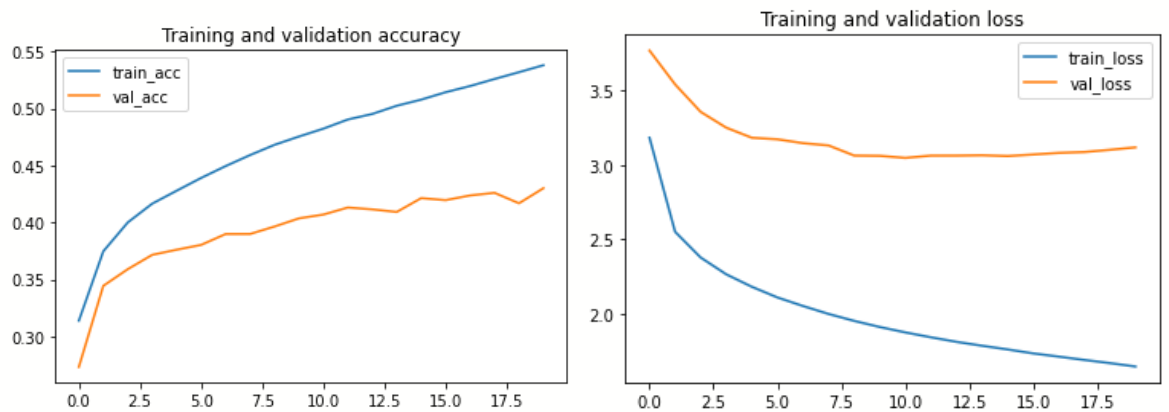
آز ۲۰:



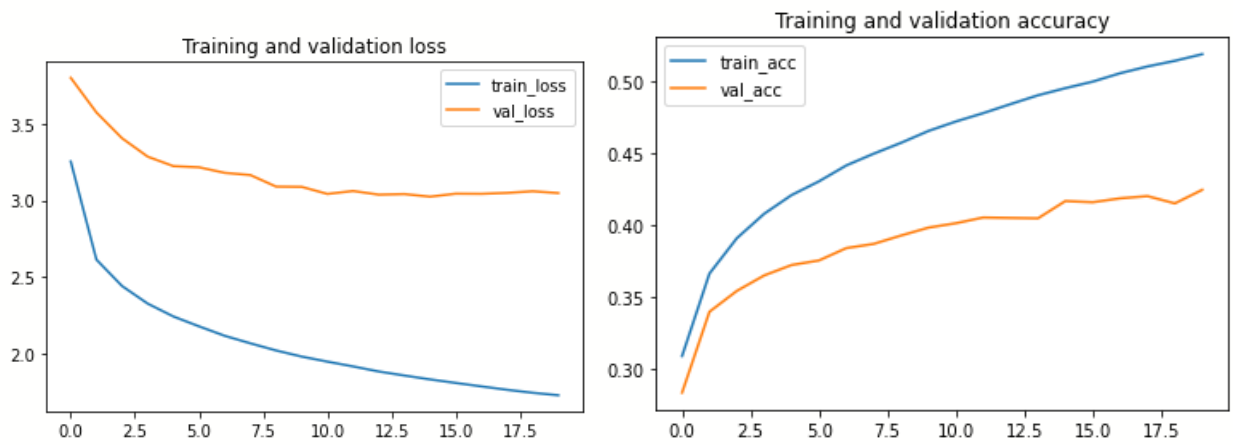
آز ۲۱:



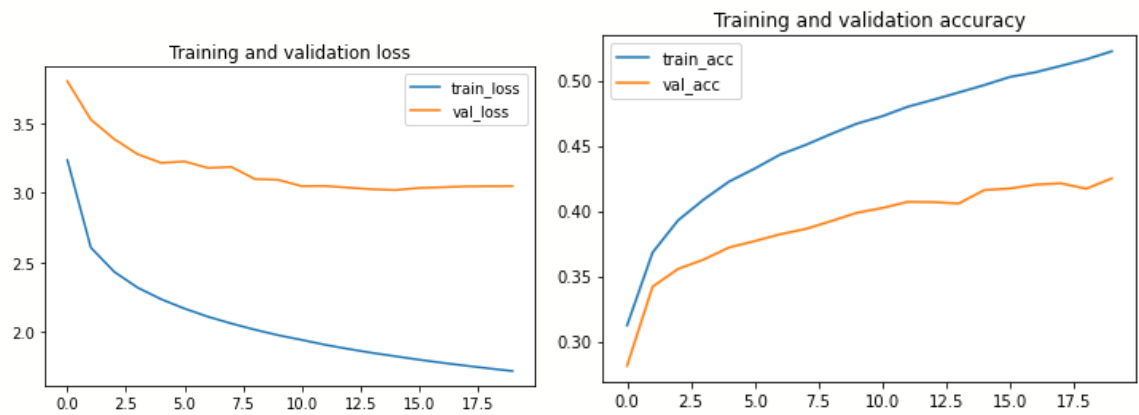
آز ۲۲:



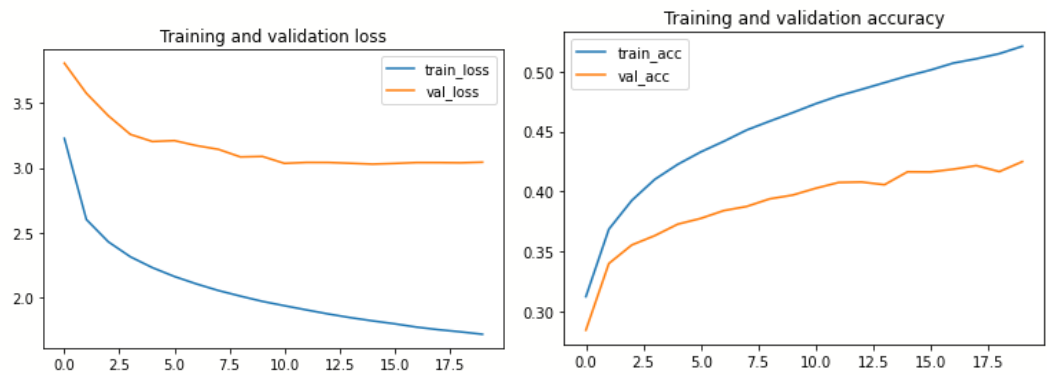
آز ۲۳:



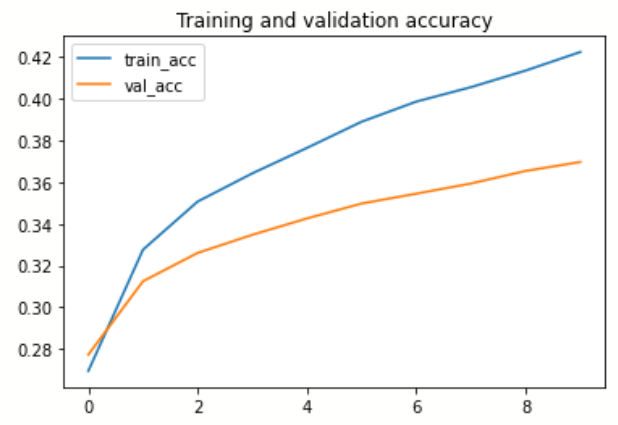
آز ۲۴:



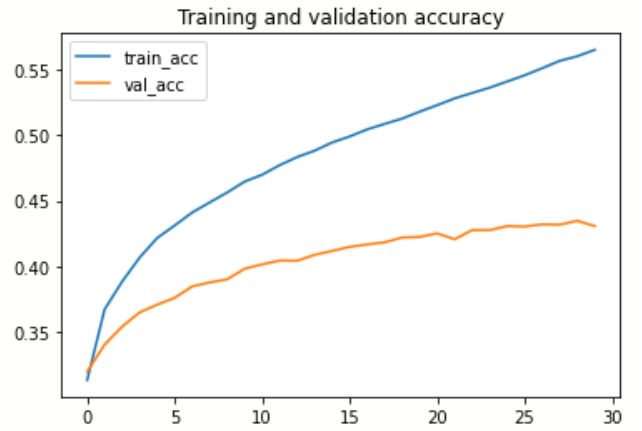
آز ۲۵:



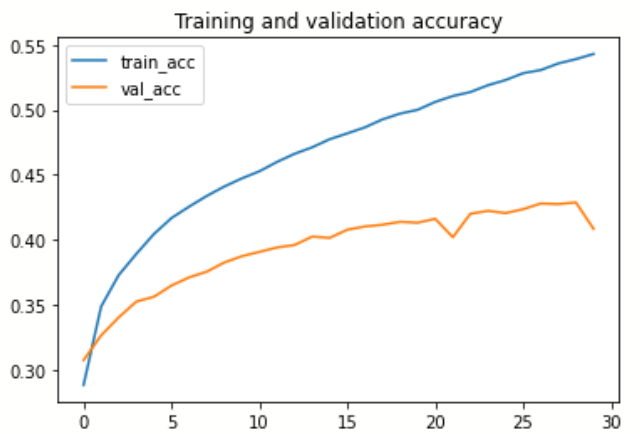
آز ۲۶:



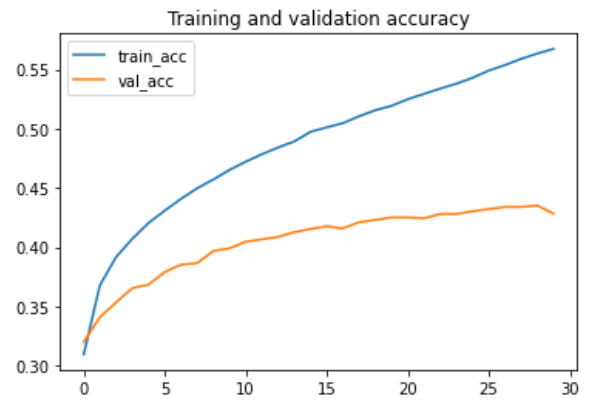
آ: ۲۸



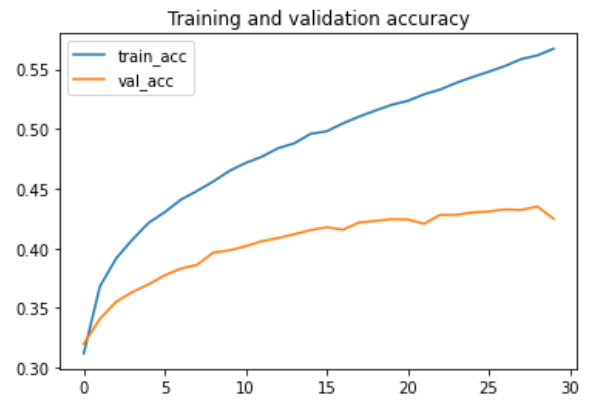
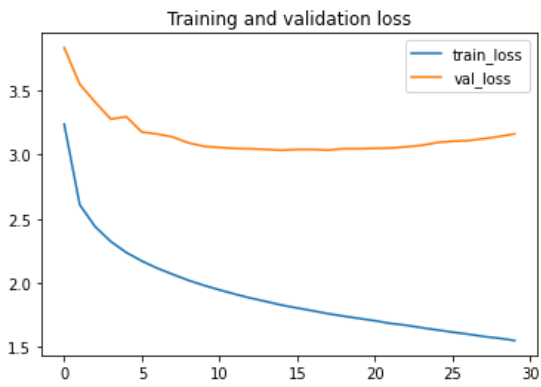
آ: ۲۹



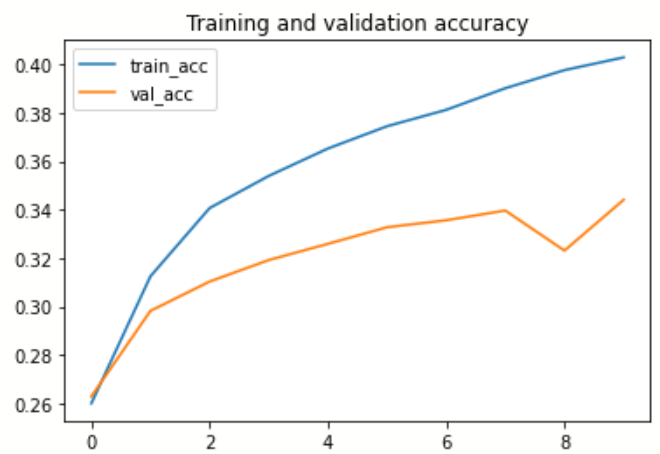
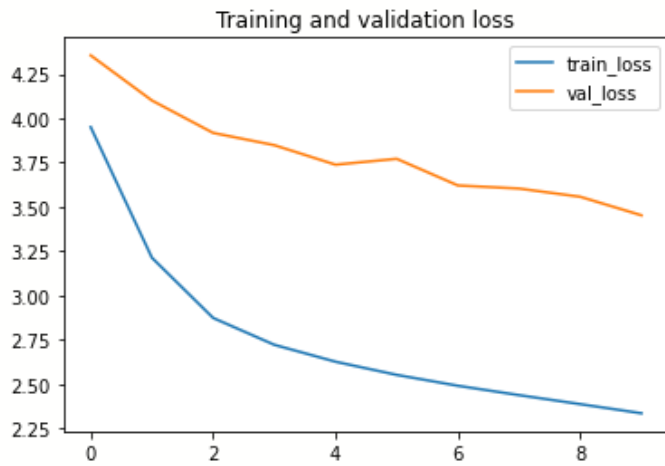
آ: ۳۰



:۳۱



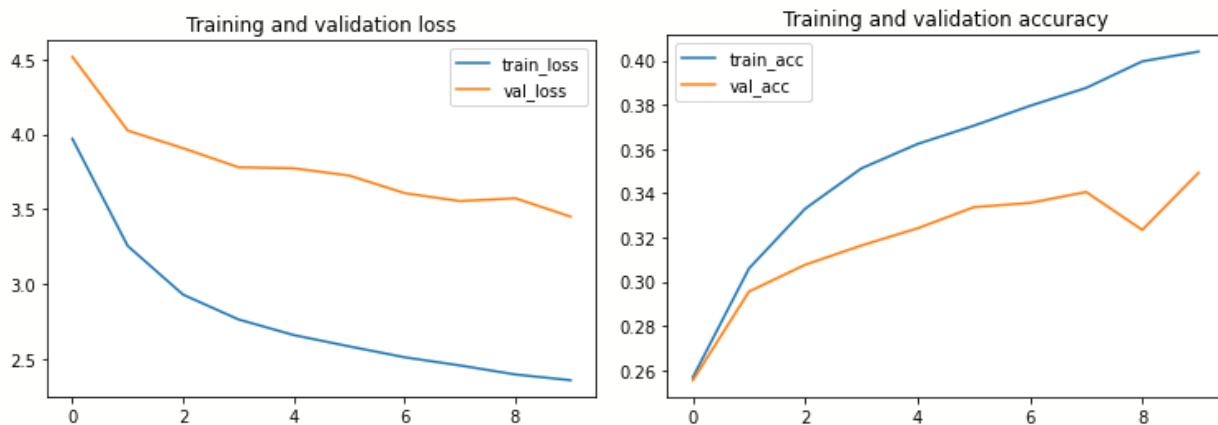
:۳۲



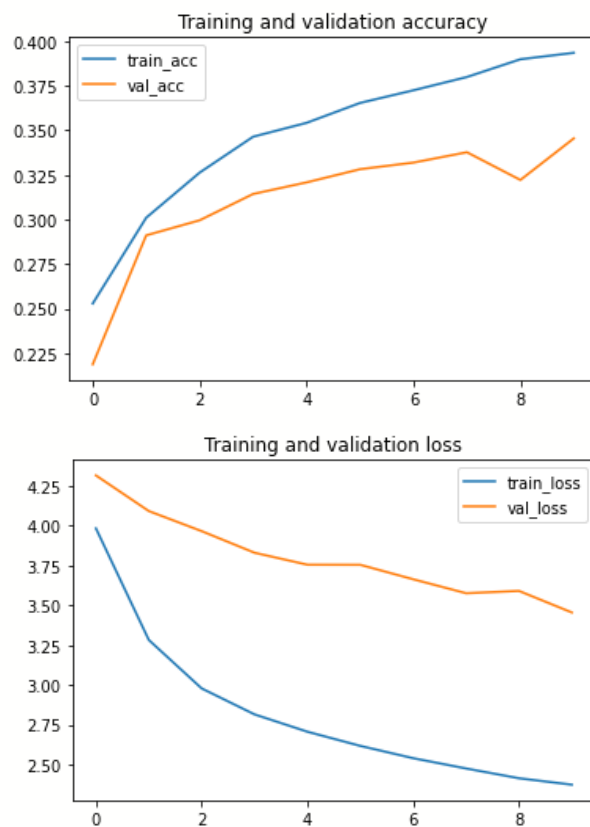
۳۳:

نقش فیچرهای رزنت ۱۵۲

که دقت بهتر شد نسبت به آز ۳۲

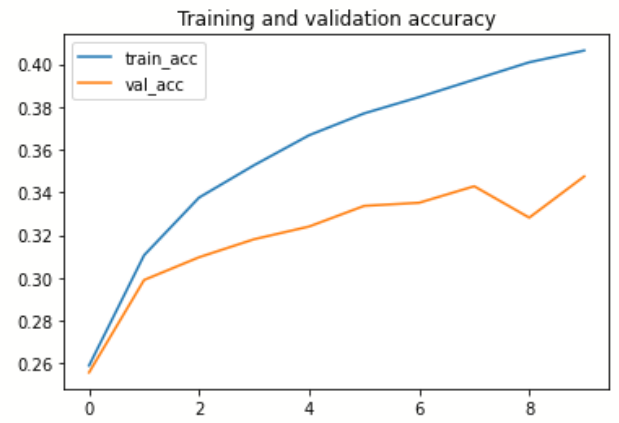


۳۴:

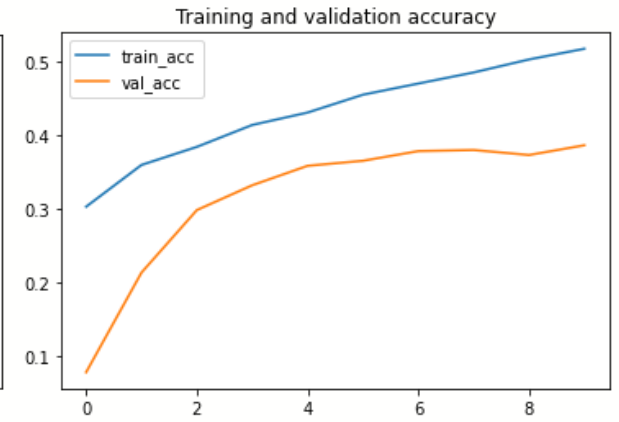
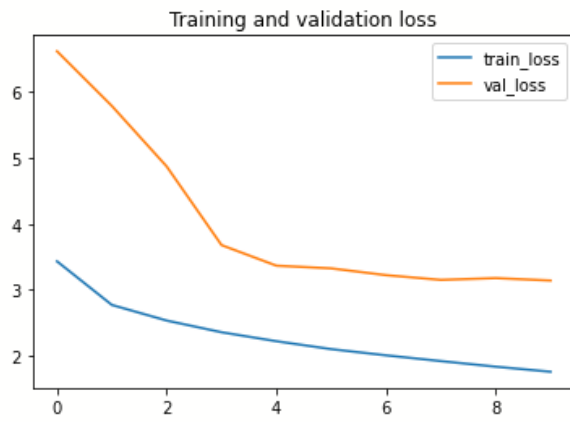


کمی بهتر از vgg و بدتر از resnet

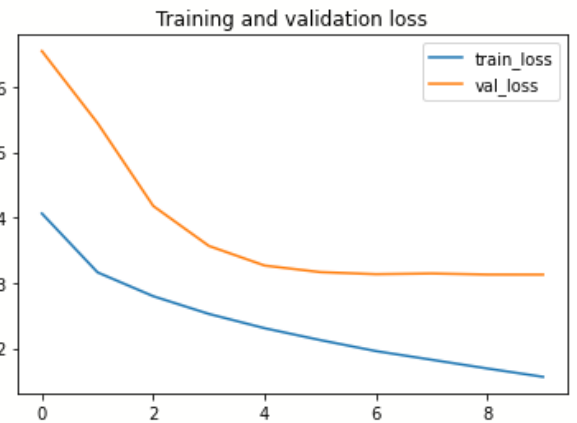
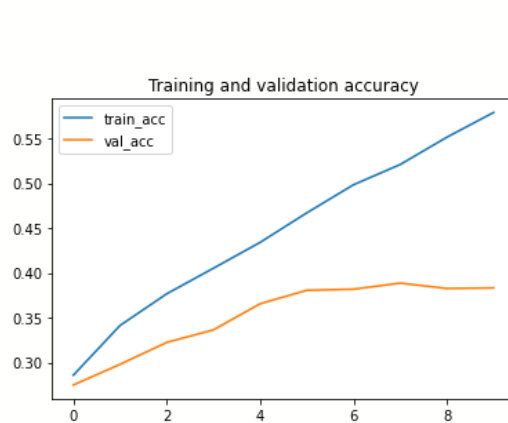
:۳۵



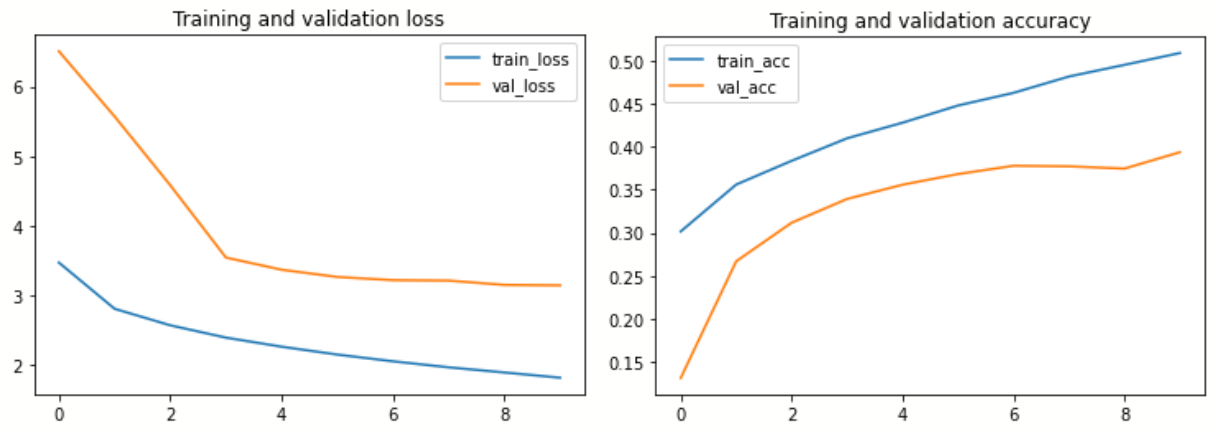
:۳۶



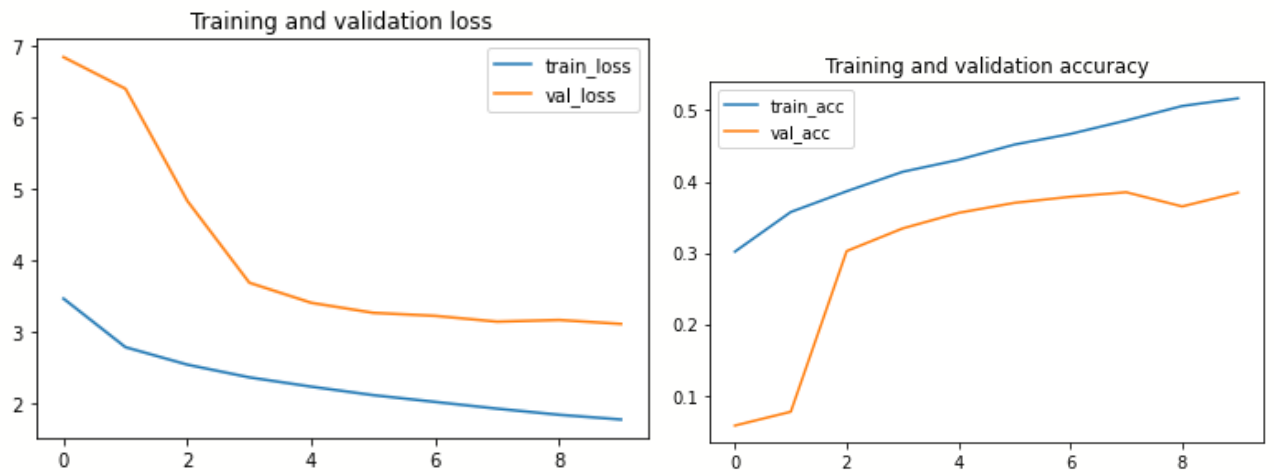
:۳۷



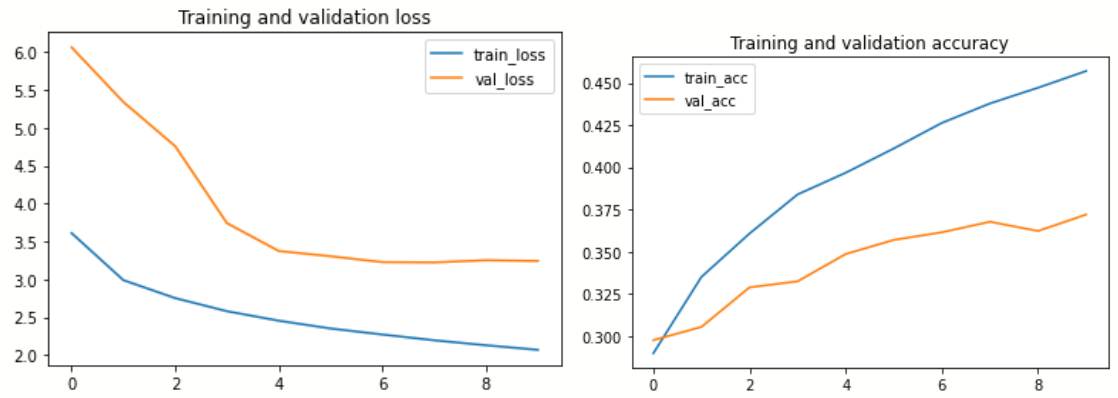
:۳۸



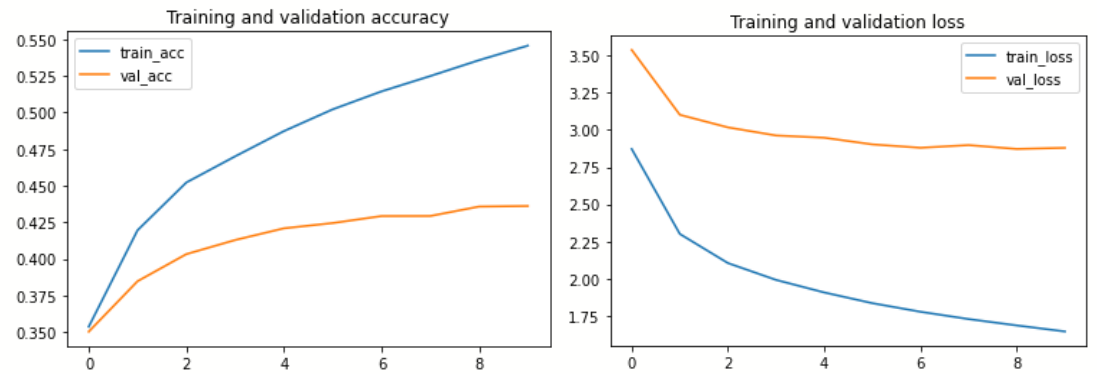
:۳۹



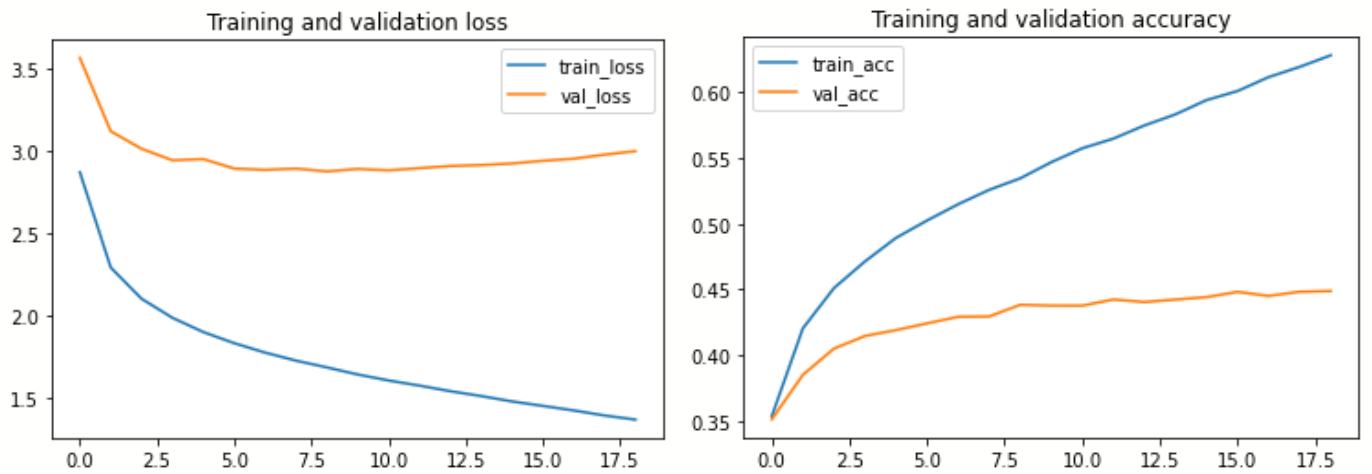
:۴۰



:۴۱

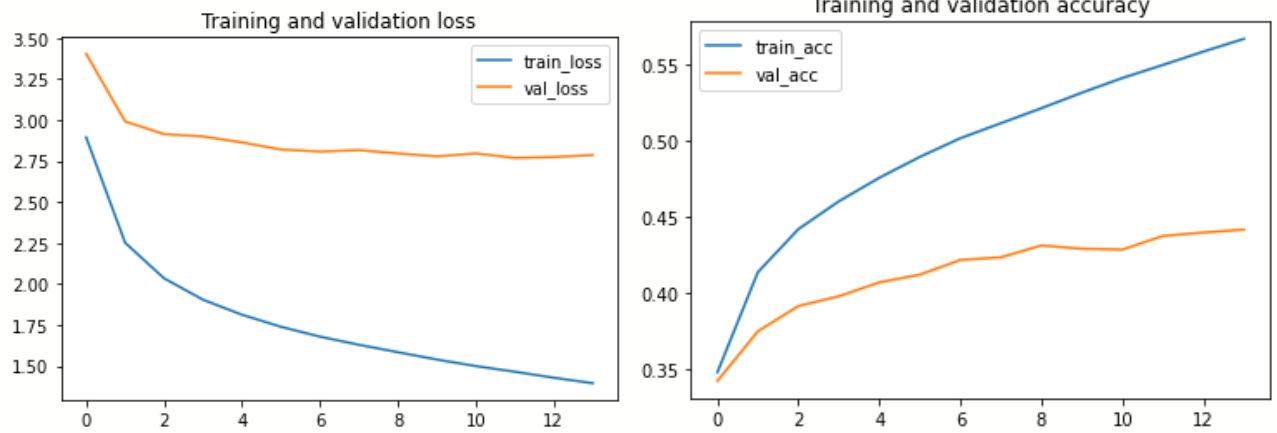


:۴۲



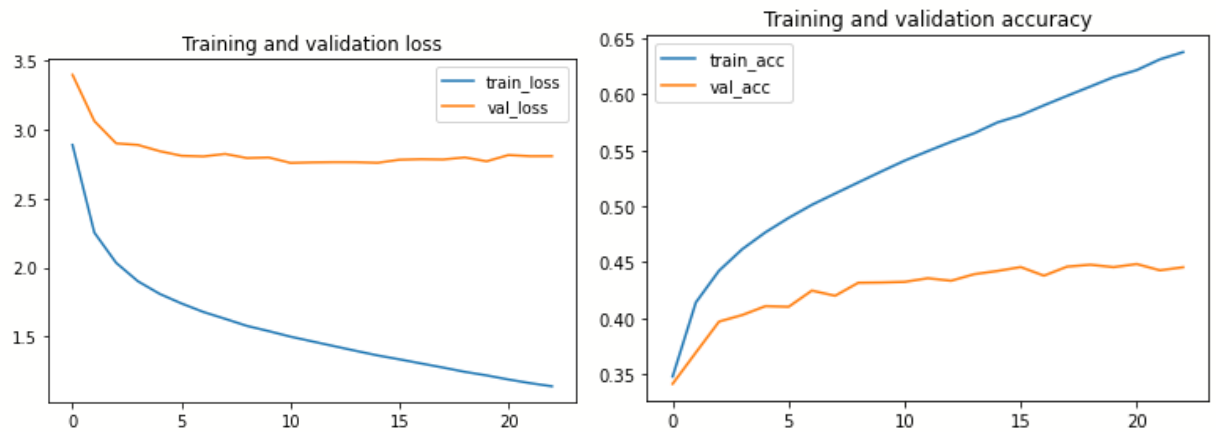
```
earlystop_callback = EarlyStopping(
monitor='val_loss', min_delta=0.0001,
patience=10)
```

```
earlystop_callback = EarlyStopping(
    monitor='val_loss', min_delta=0.0001,
    patience=2)
```

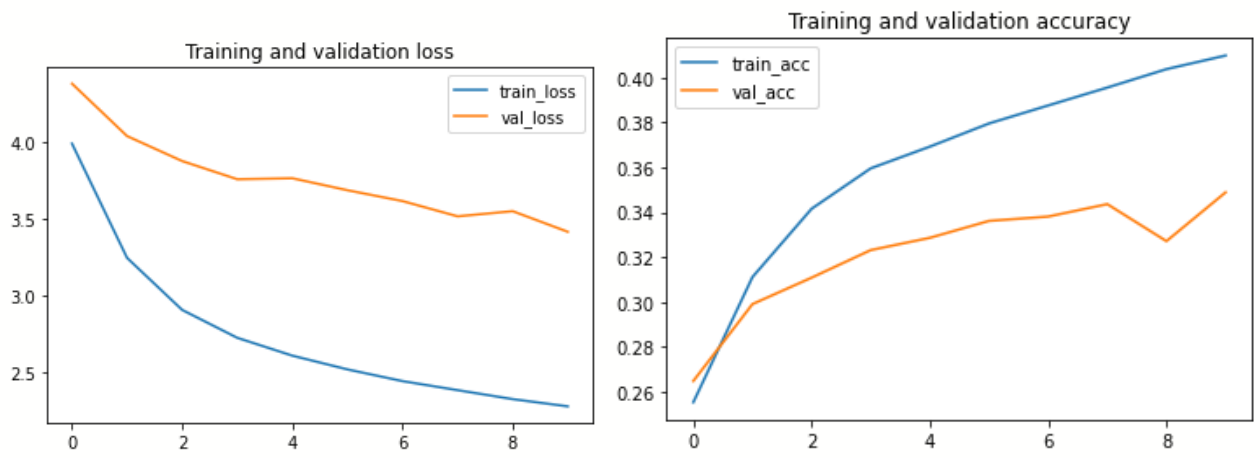


۴۴:

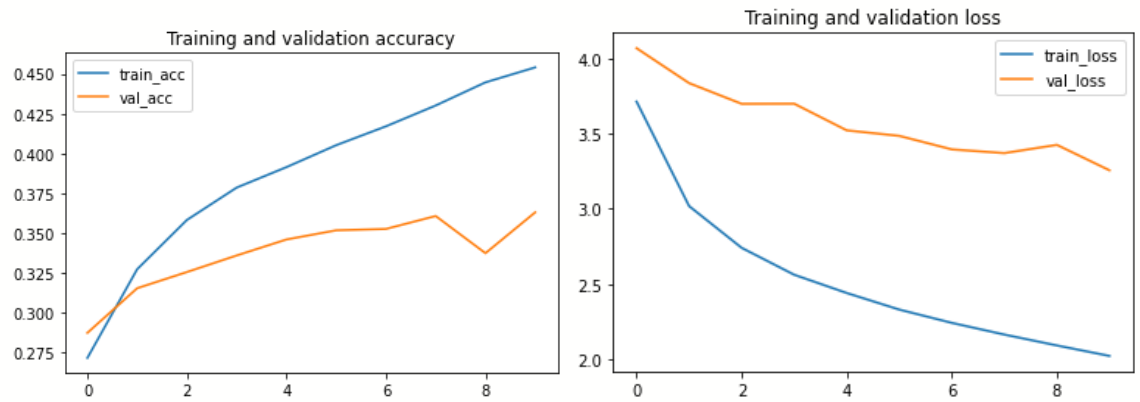
```
earlystop_callback = EarlyStopping(
    monitor='val_acc', min_delta=0.0001,
    patience=3)
```



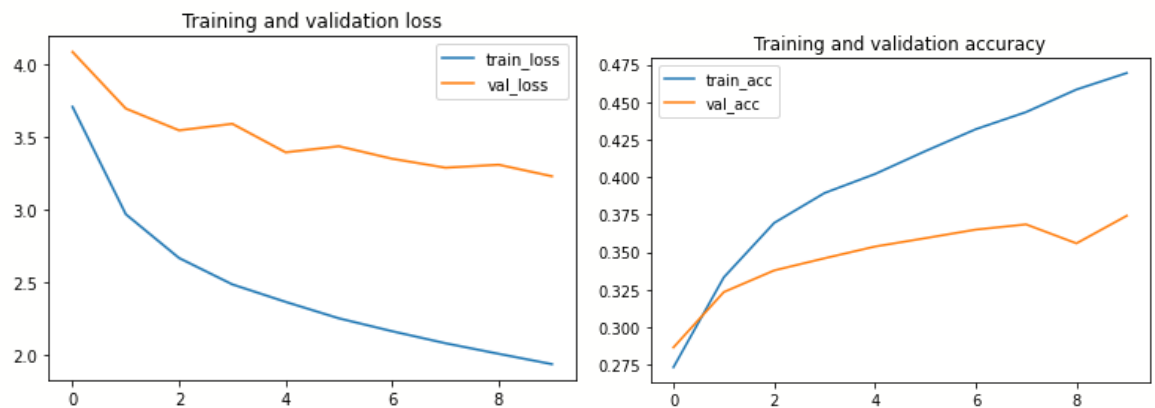
۴۵:



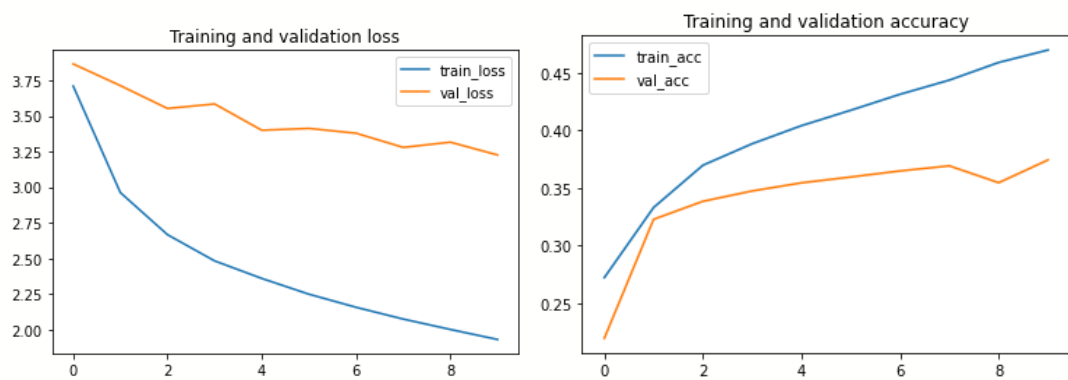
:۴۶



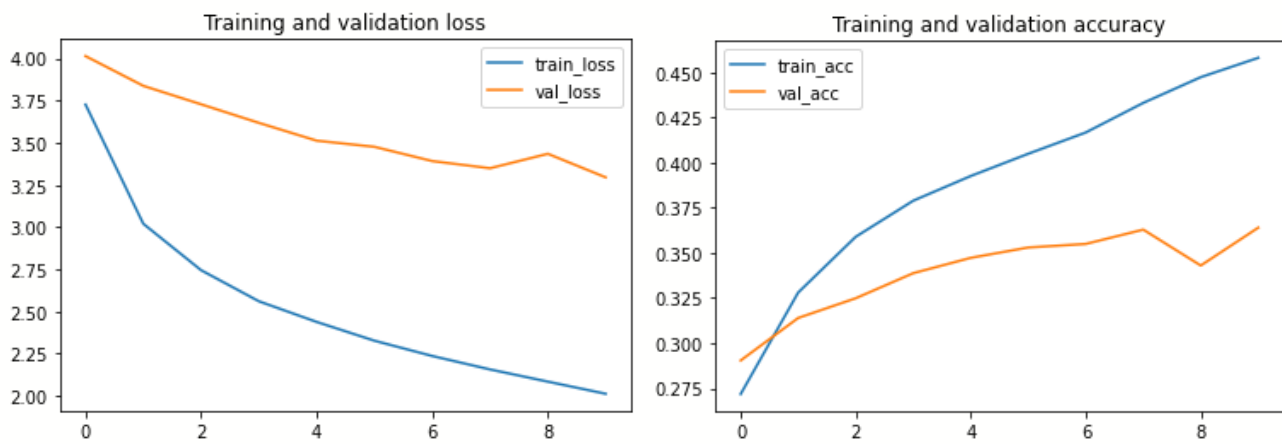
:۴۷



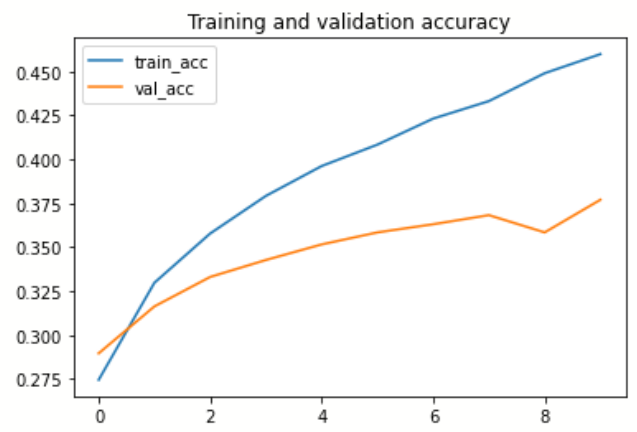
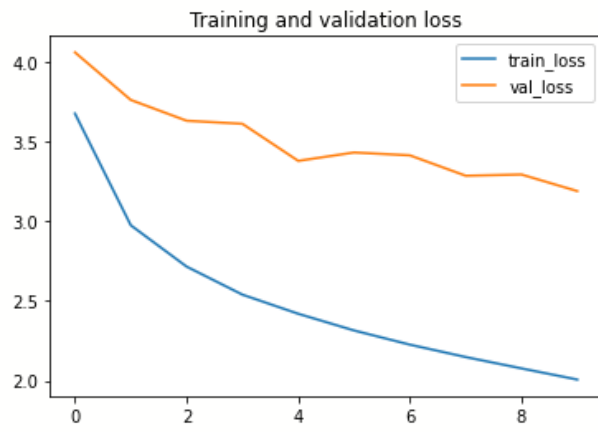
:۴۸



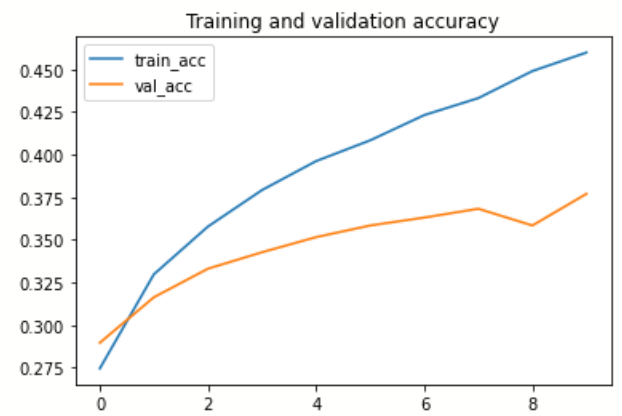
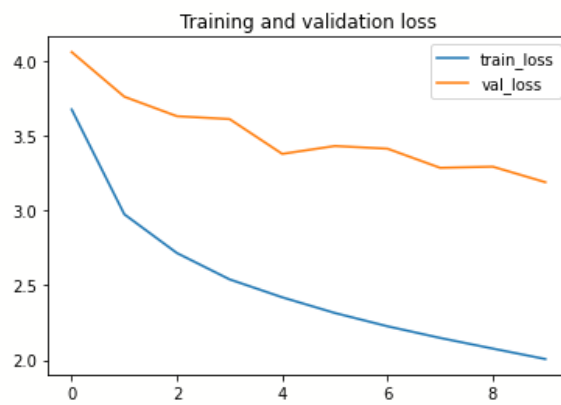
:۴۹



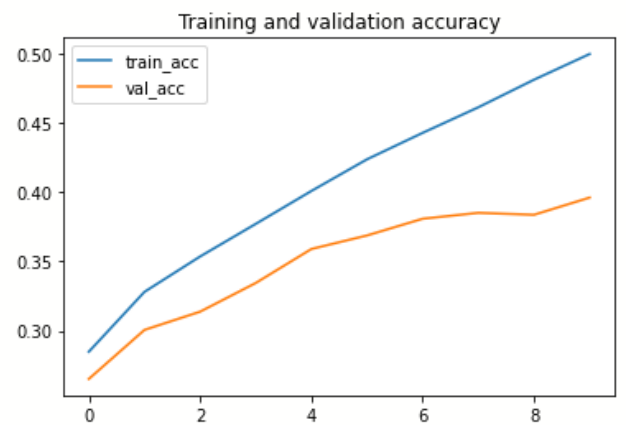
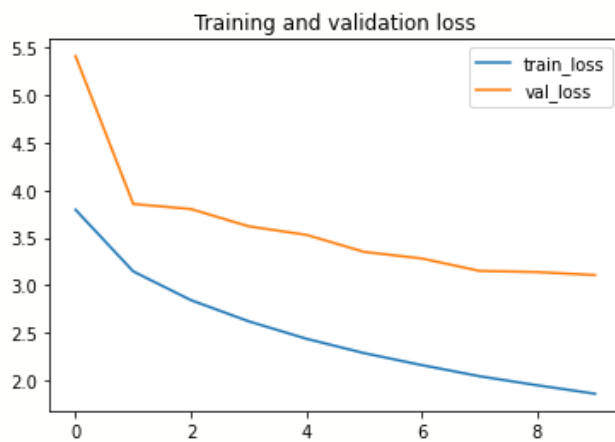
:۵۰



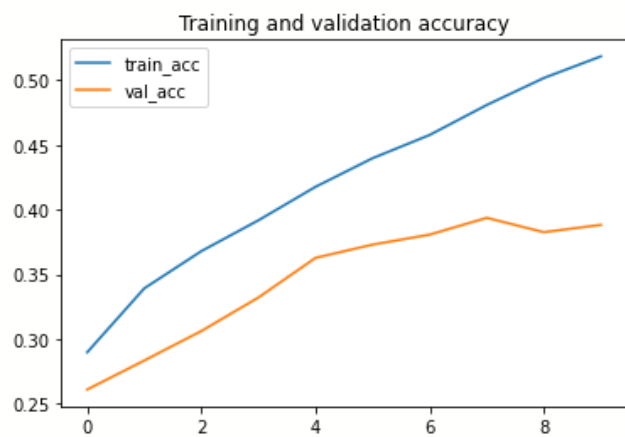
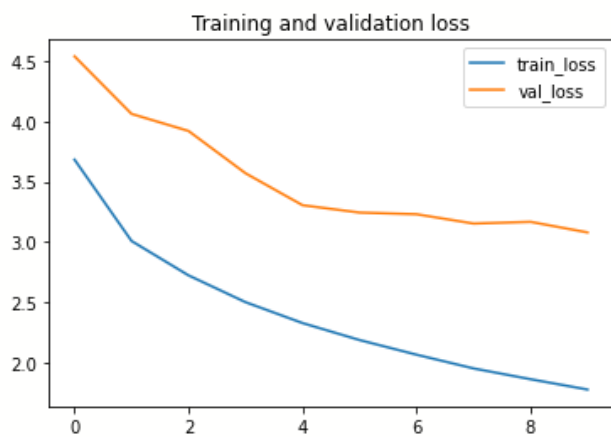
:51



:52



:۵۲



:۵۳

