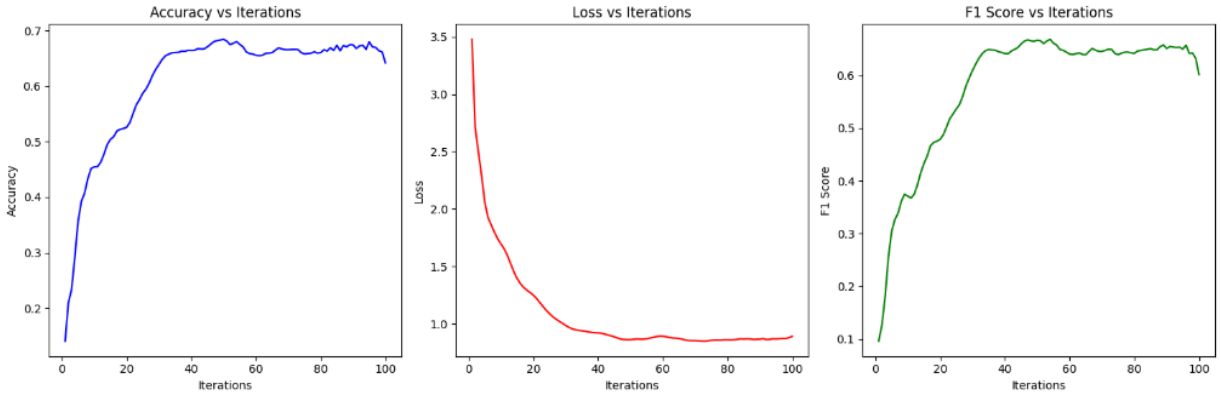
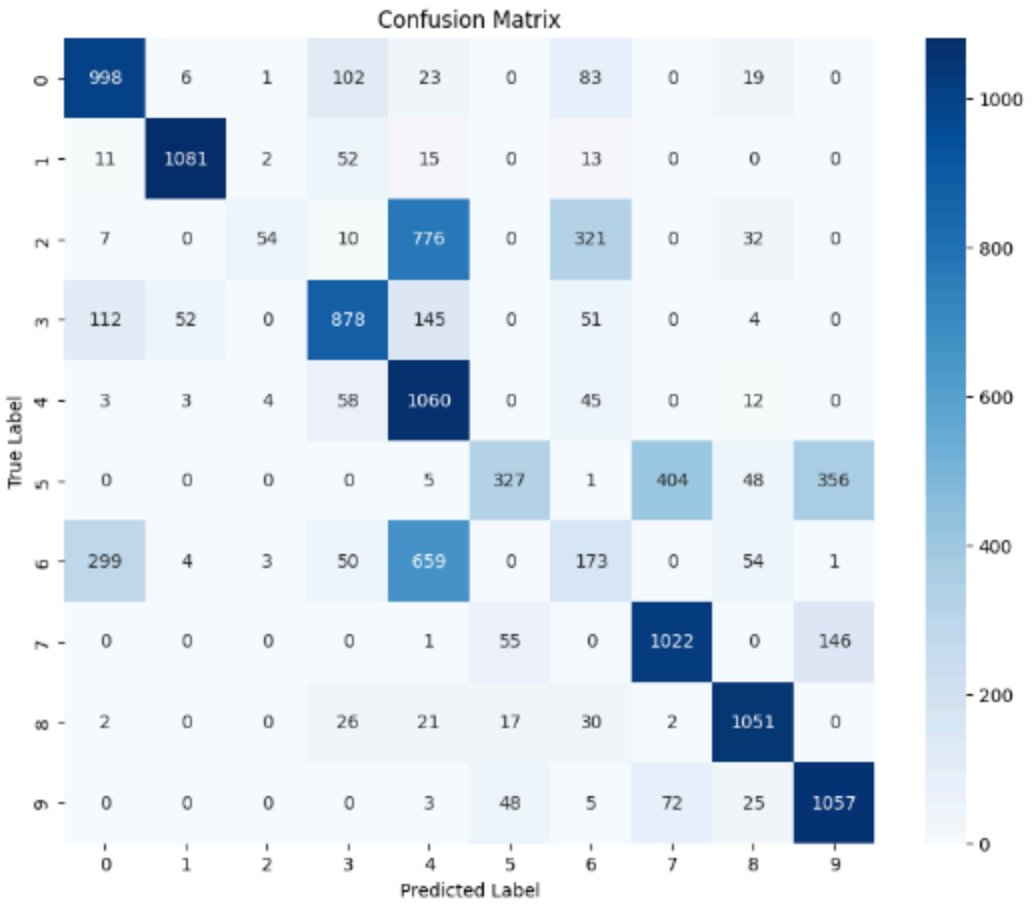
How to run the code:
create a folder and put ‘fashion-mnist_test.csv’ , ‘fashion-mnist_train.csv’ and ‘1905092.ipynb’ files that folder then simply run with python

For Learning Rate = 0.01

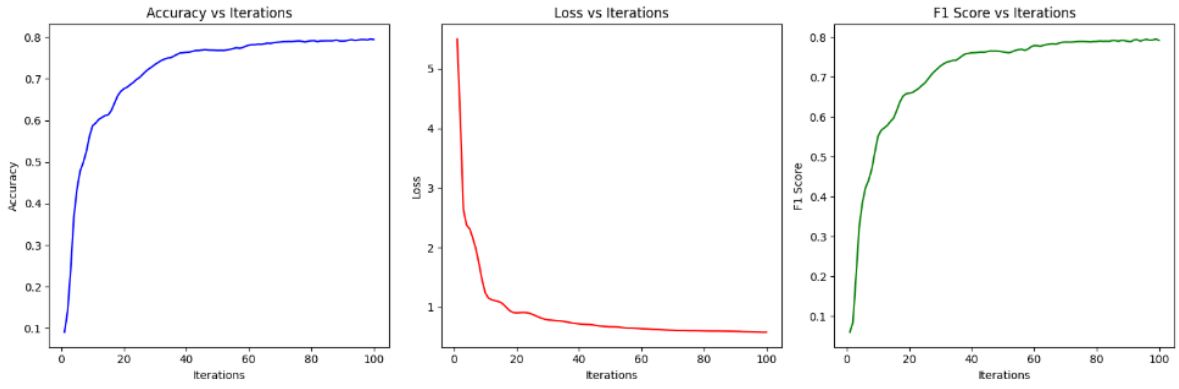
Model-1:(with hidden_size=20)
Accuracy : `0.64175`
`Loss: 0.8895936970492301`
`F1-score: 0.6016868650052304`

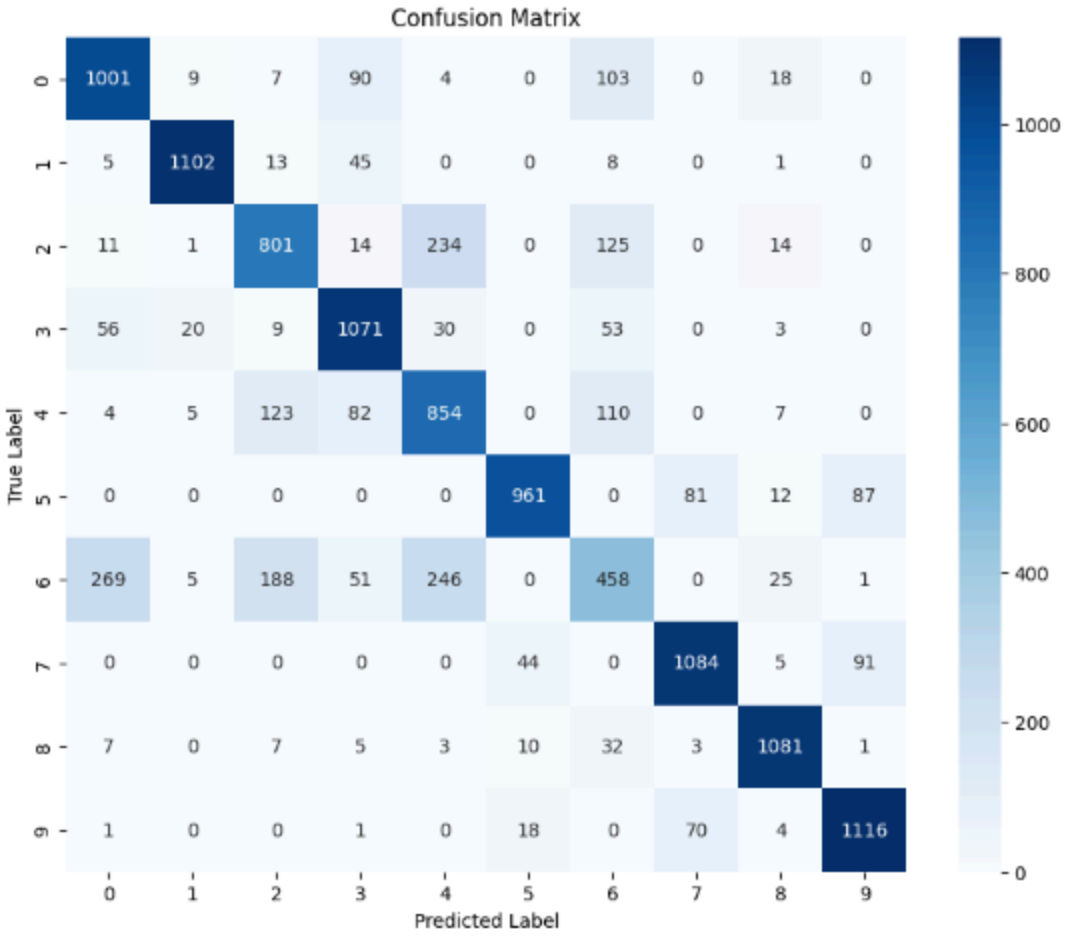




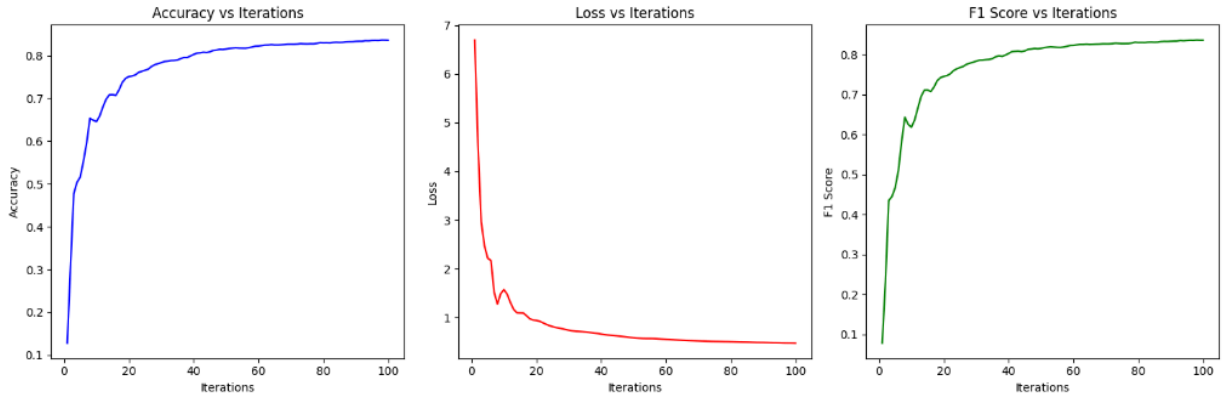
Model 2: (with hidden_size=50)

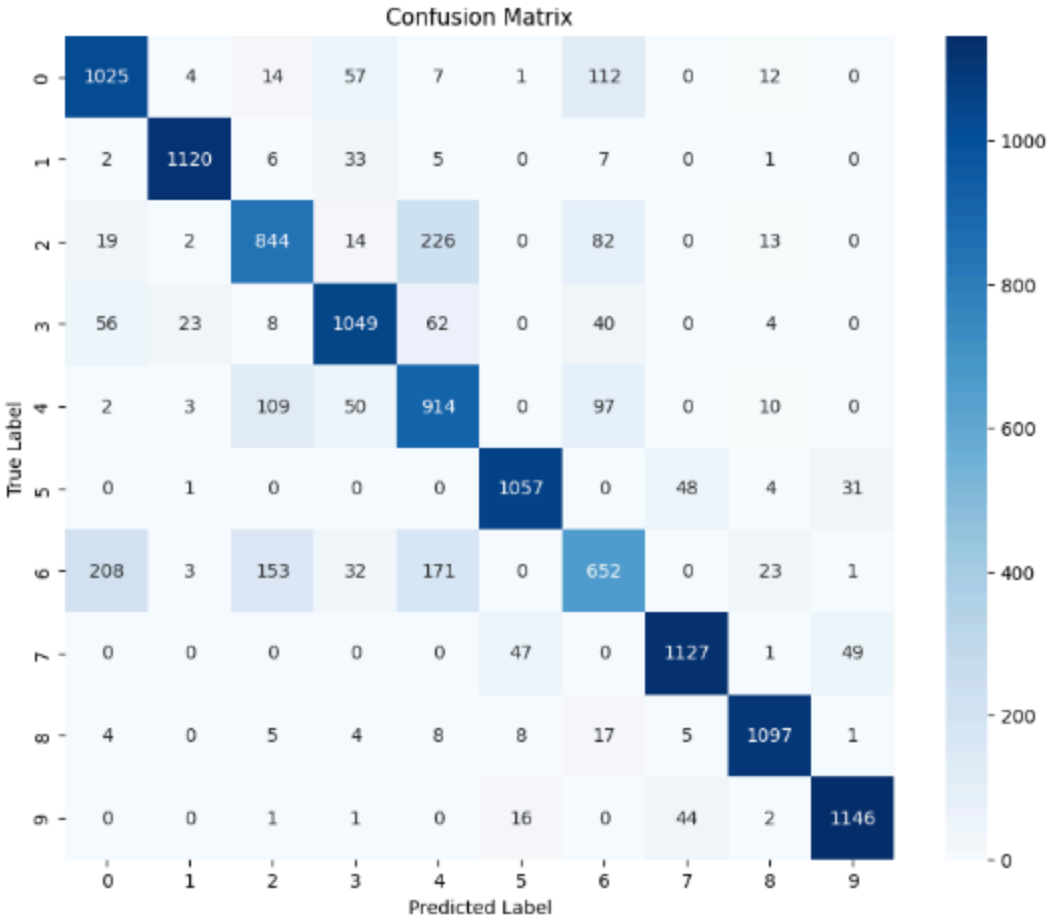
```
Accuracy: 0.7940833333333334
Loss: 0.5811283330371421
F1-score: 0.791712704646328
```





Model-3: (with hidden_size=100)
Accuracy: 0.8359166666666666
Loss: 0.4734810444124014
F1-score: 0.8360678907002909

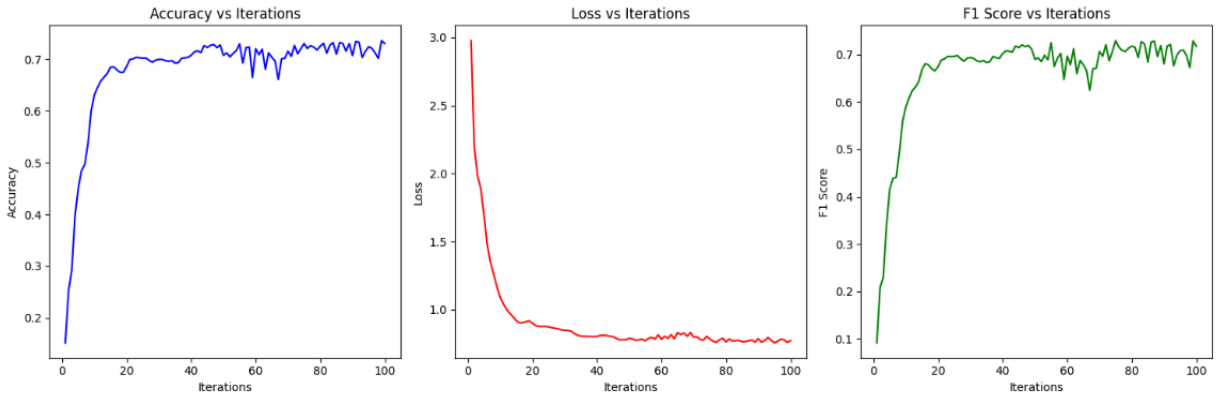


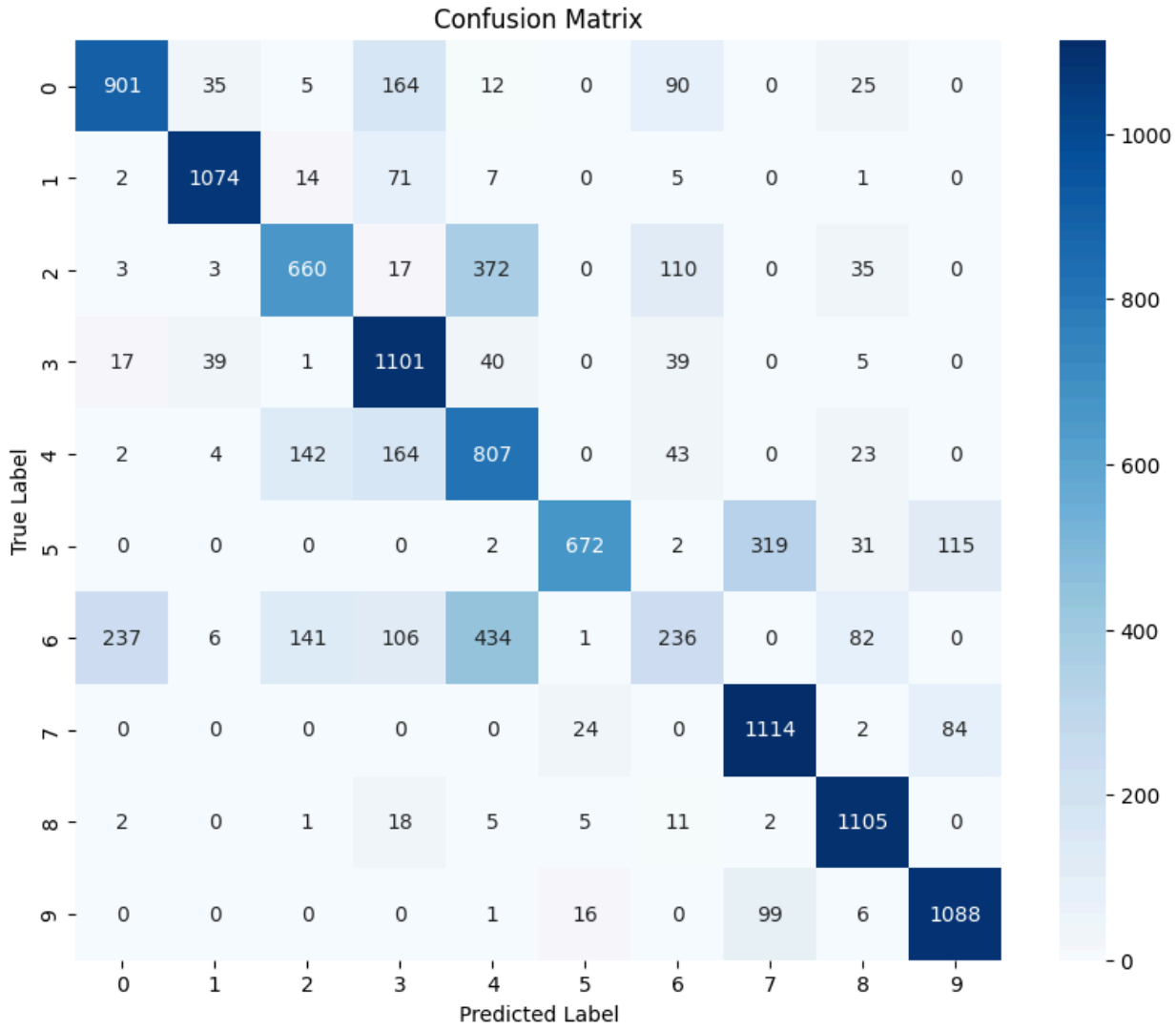


For Learning Rate = 0.02

Model-1:(with hidden_size=20)

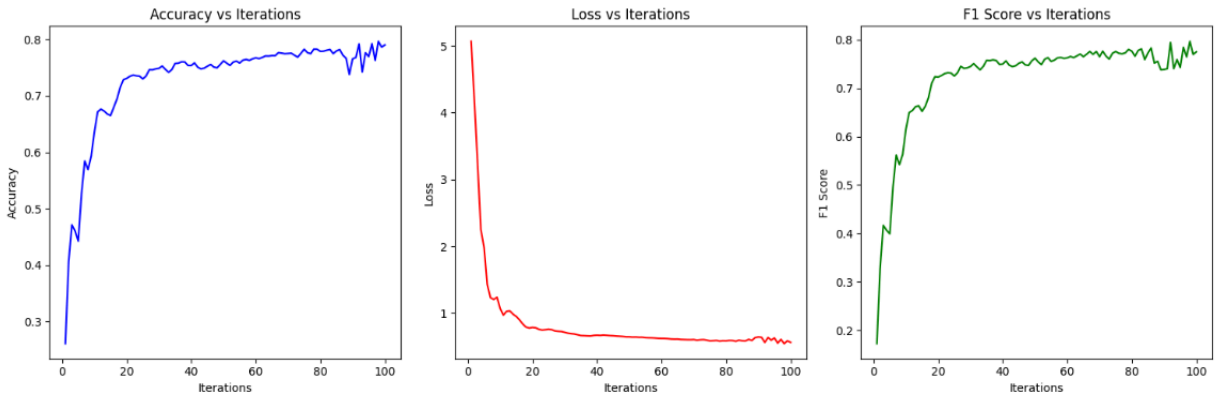
```
Accuracy: 0.7298333333333333
Loss: 0.7730126864033854
F1-score: 0.7173601194375016
```

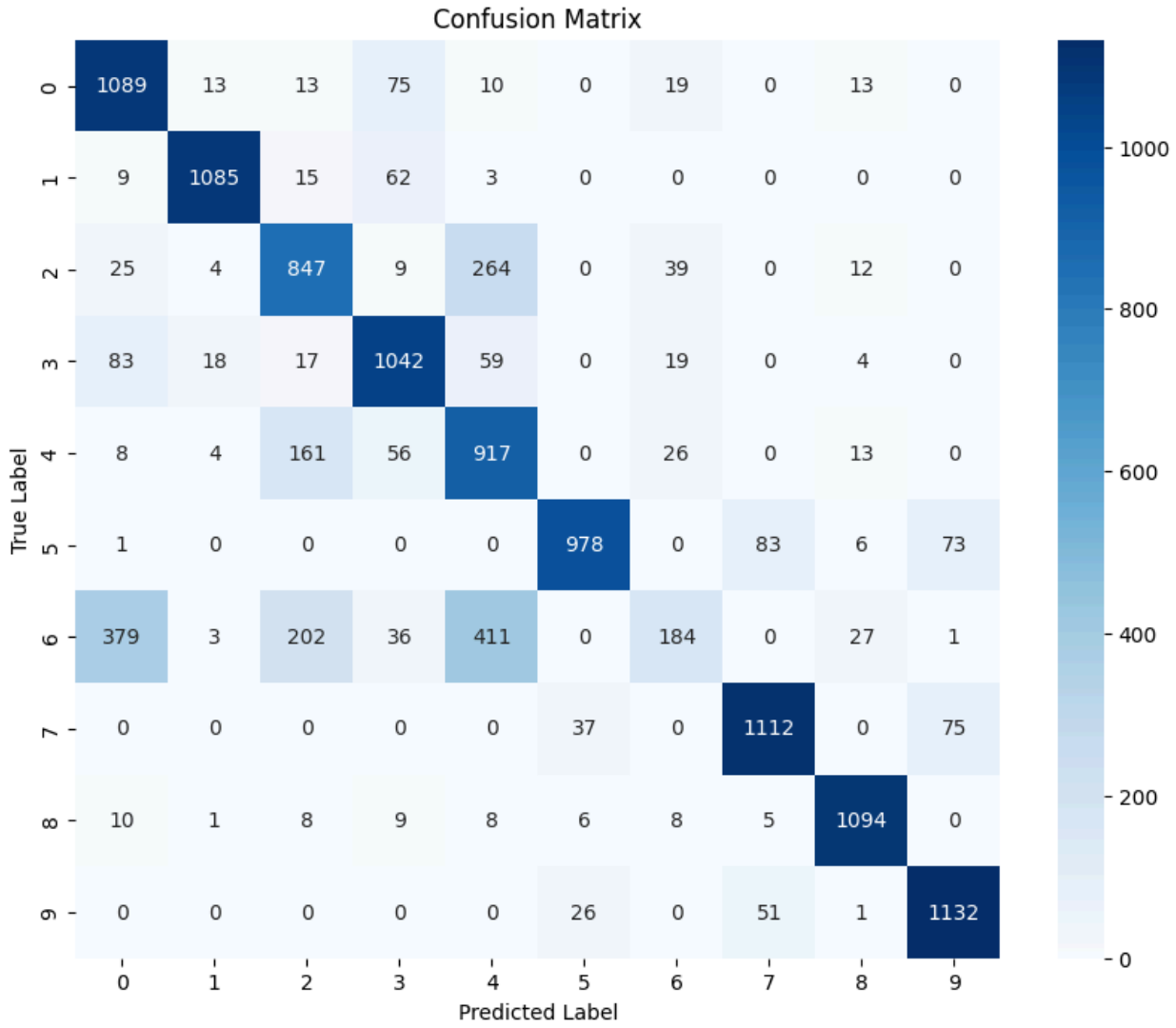




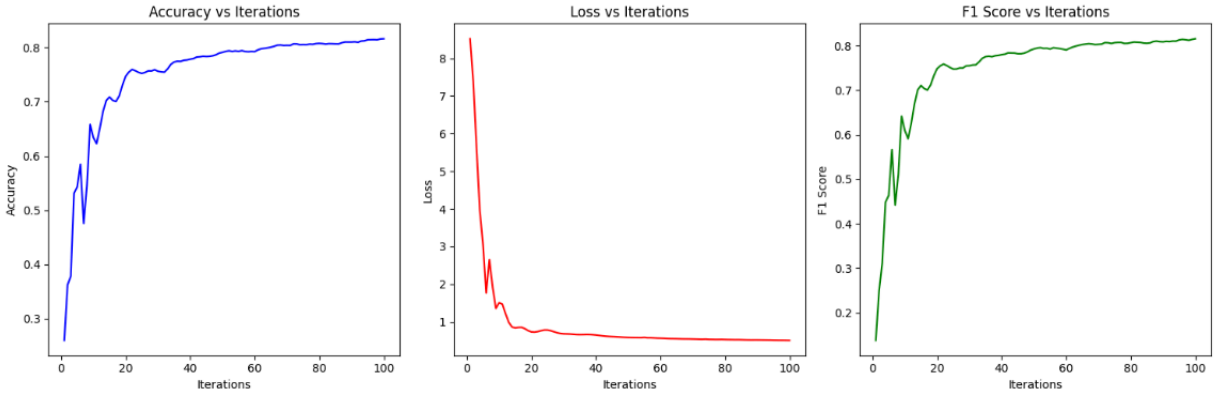
Model 2: (with hidden_size=50)

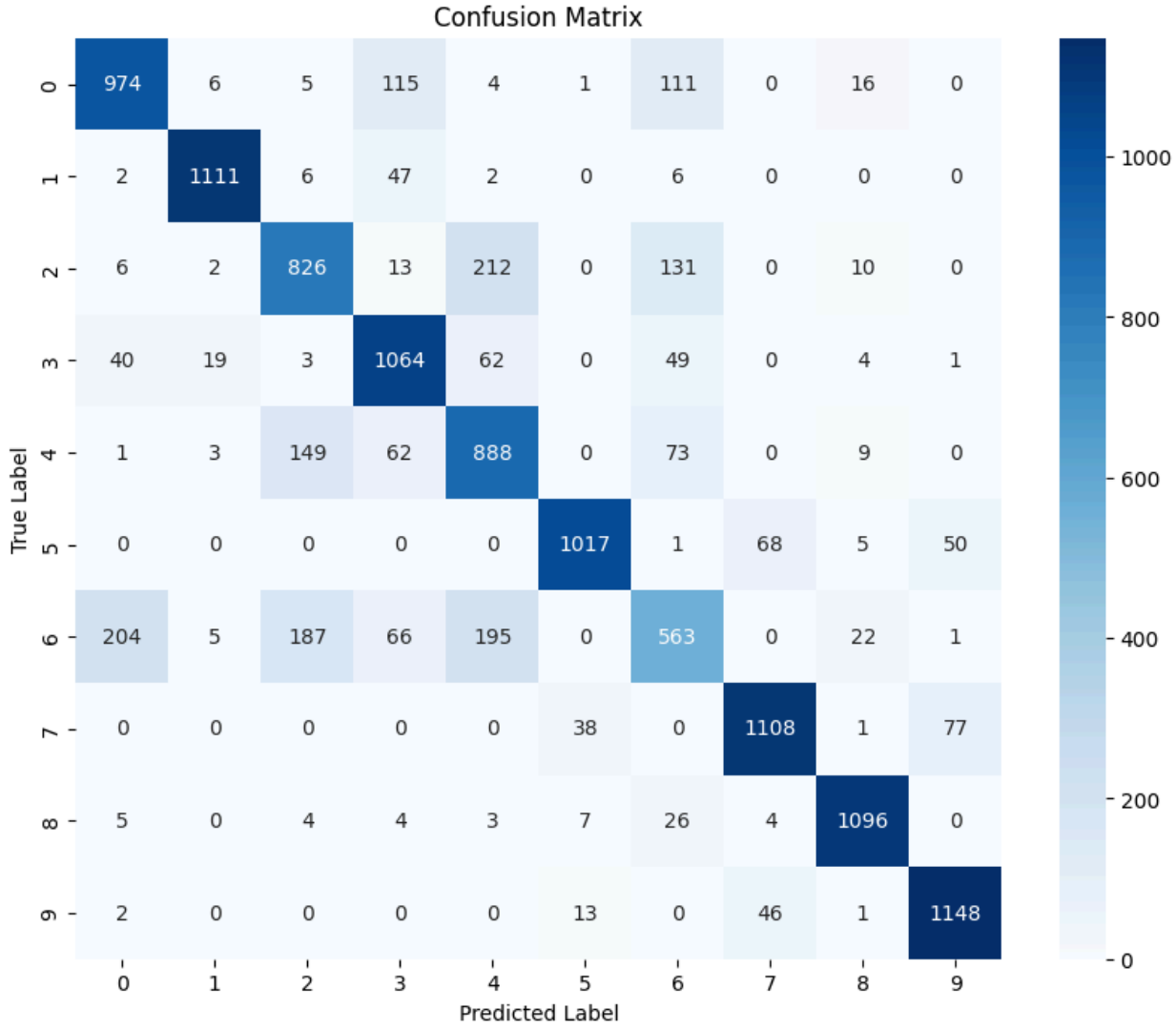
```
Accuracy: 0.79
 Loss: 0.5659487287387795
F1-score: 0.7747949630730459
```





Model-3: (with hidden_size=100)
Accuracy: 0.81625
Loss: 0.5073293849775868
F1-score:0.8156361301615462

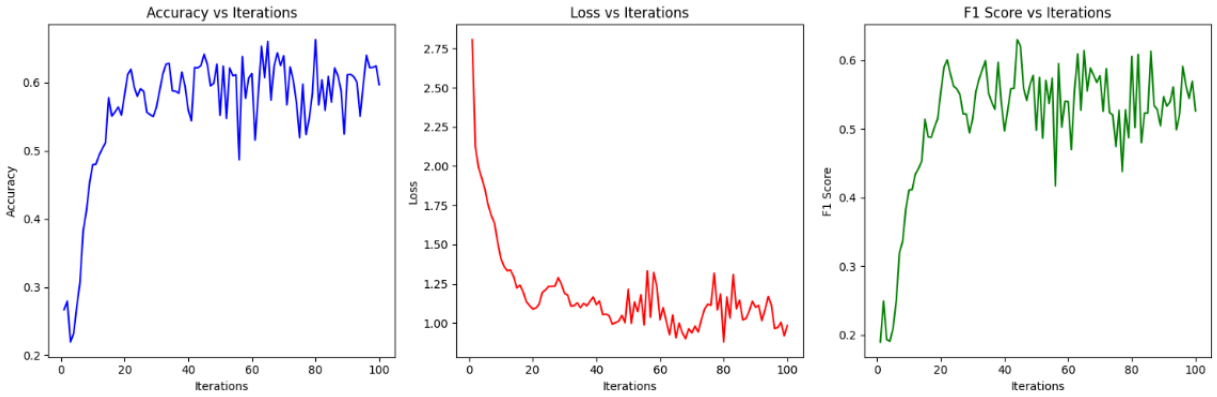


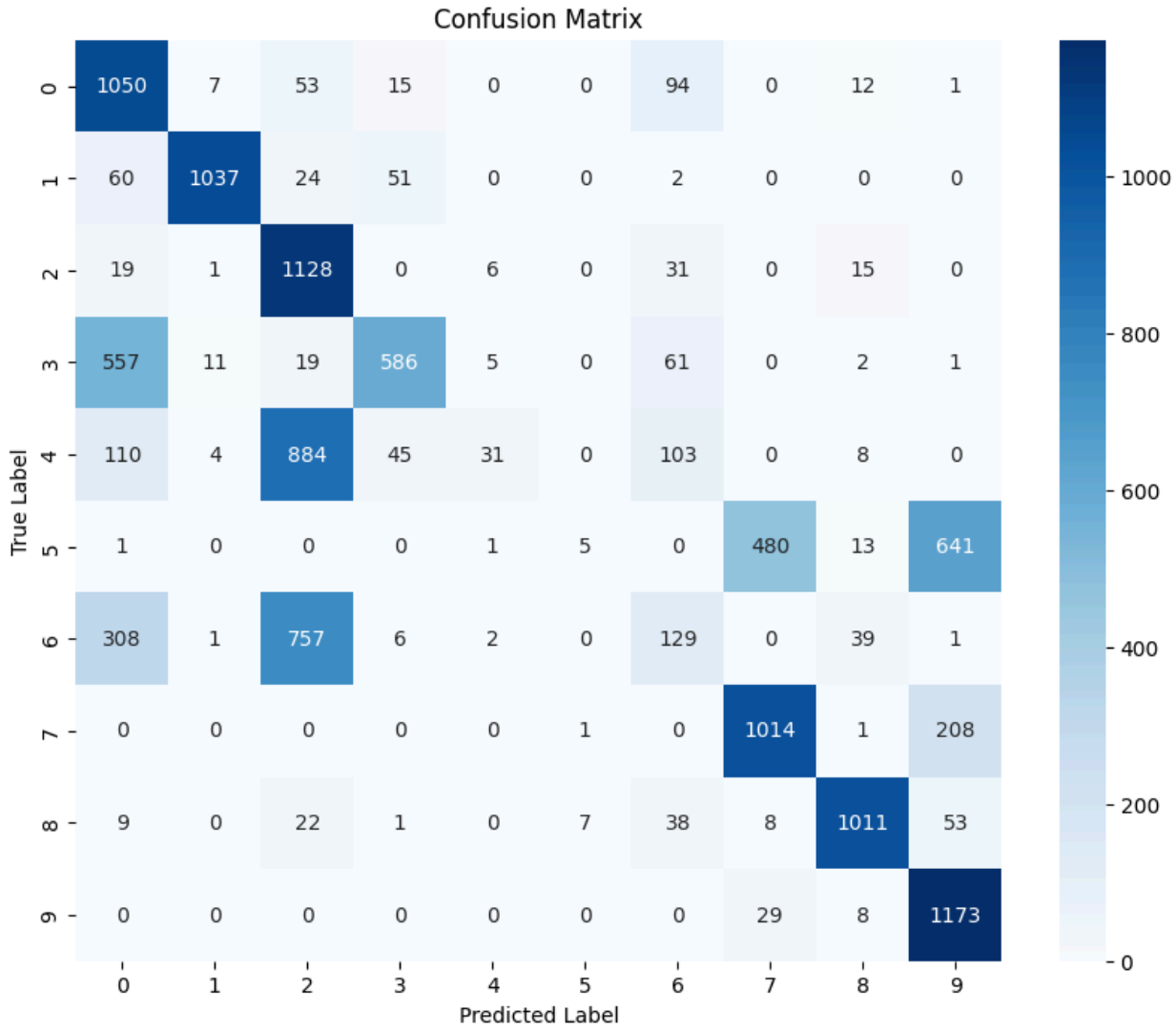


For Learning Rate = 0.03

Model-1:(with hidden_size=20)

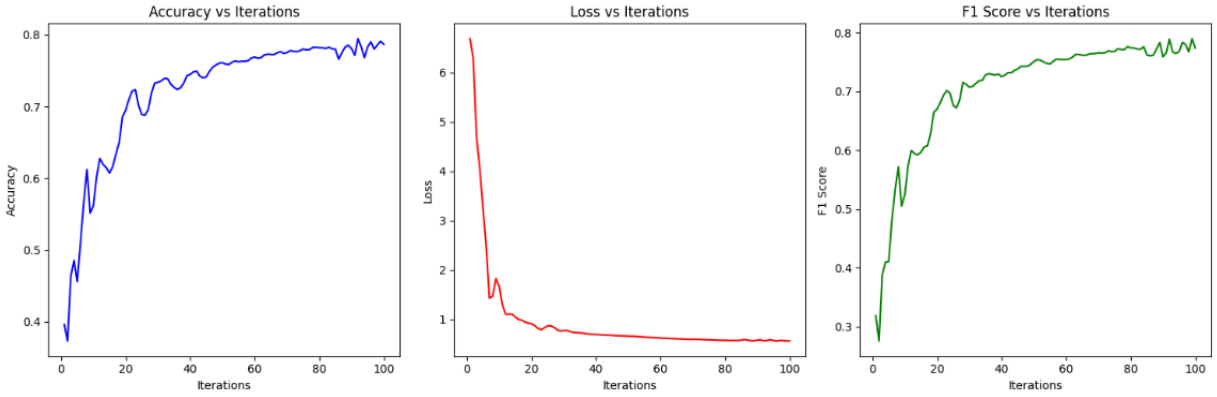
```
Accuracy: 0.597
Loss: 0.9842851111663592
F1-score: 0.5265684475106417
```

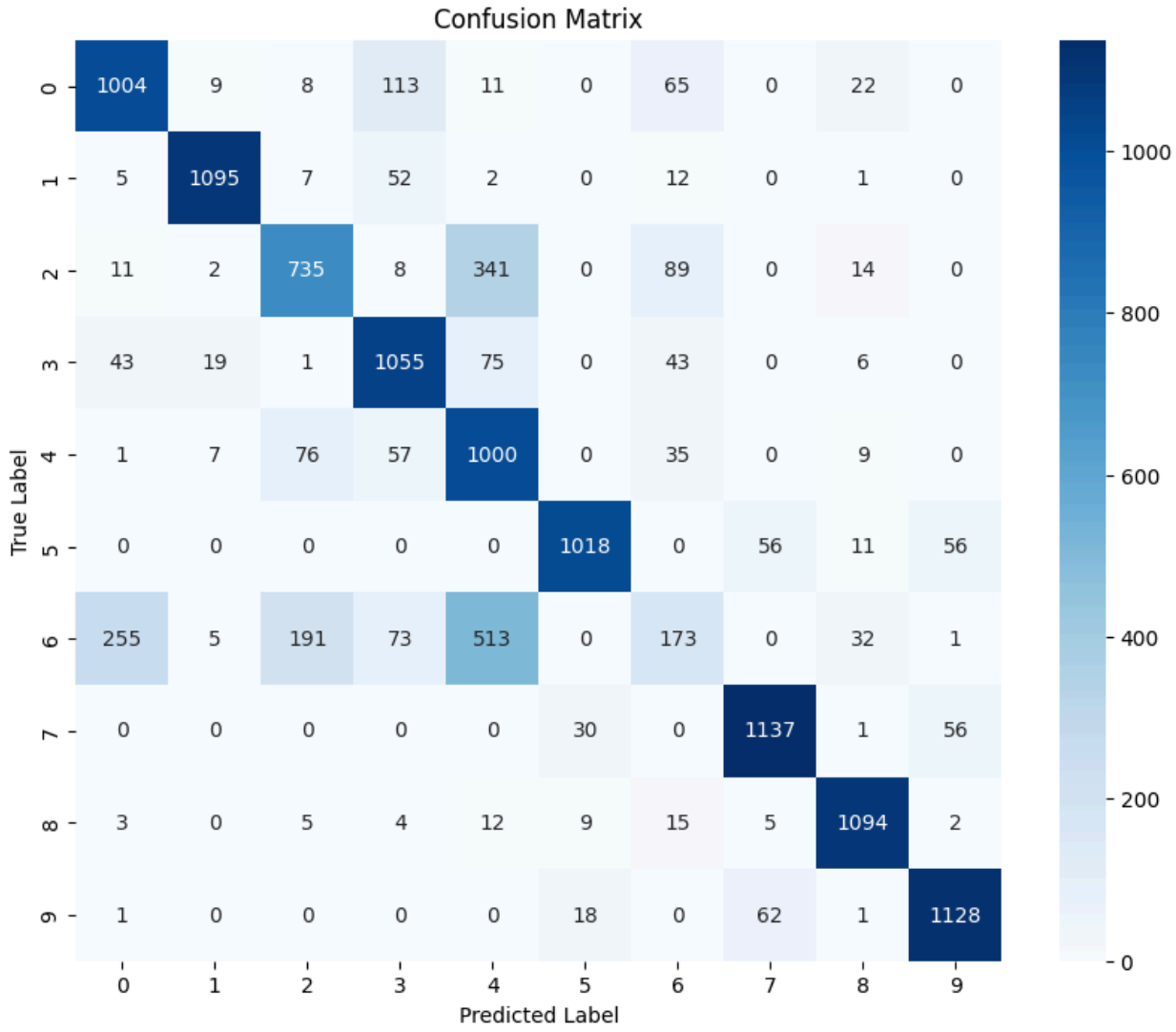




Model 2: (with hidden_size=50)

```
Accuracy: 0.7865833333333333
Loss:0.5593917642240399
F1-score: 0.7737789271317966
```





Model-3: (with hidden_size=100)
Accuracy: 0.8046666666666666
Loss: 0.5491236104391447
F1-score: 0.8026965733150154