CROSS-VALIDATION

DATASET – 2,77,500 images

TRAINING DATA - 80% - 2,22,000 images

TESTING DATA - 20% - 55,500 images

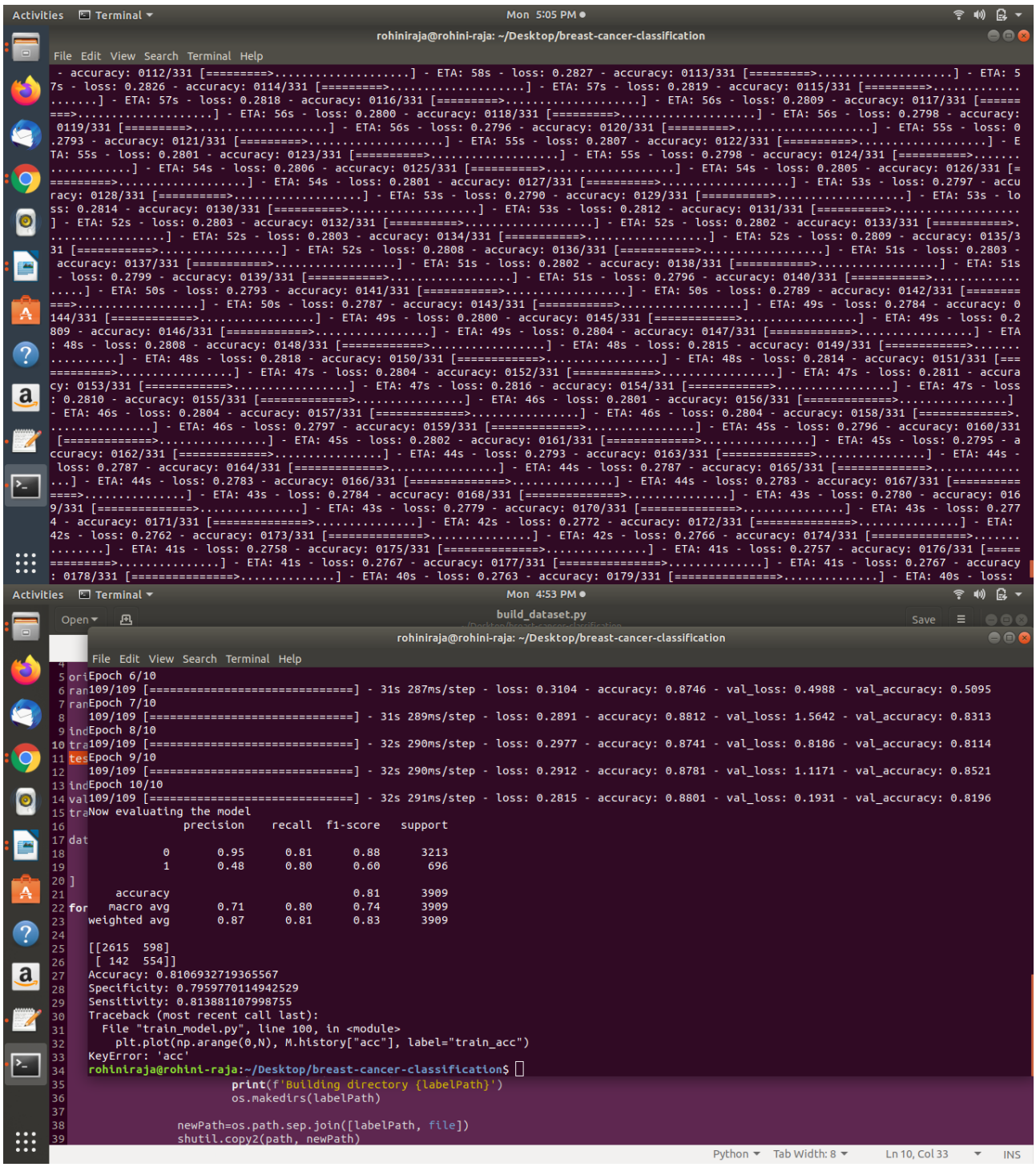
SPLITTING DATA - 10% - 27,750 images

PARTITIONS	TRAINING DATA	TESTING DATA
1)	0-221999	221999-277500
2)	27751-249749	0-27750, 249749-277500
3)	55501-277500	0-55500
4)	83251-277500 , 0-27750	27751-83250
5)	111001-277500 , 0-55500	27751-111000
6)	138751-277500 , 0-83250	27751-138750
7)	166501-277500 , 0-111000	27751-166500
8)	194251-277500 , 0-138750	27751-194250
9)	222001-277500, 0-166500	27751-222000
10)	249751-277500, 0-194250	27751-249750

Results obtained = (average of all the results obtained in the partitions)
Accuracy = 0.856,
Specificity = 0.643,
Sensitivity = 0.929.

Partition 1
-> Training data - 0 - 2,21,999
-> Testing data – 2,21,999-2,77,500

Accuracy obtained = 0.81
Specifivity = 0.795
Sensitivity = 0.813



2)

Partition 2

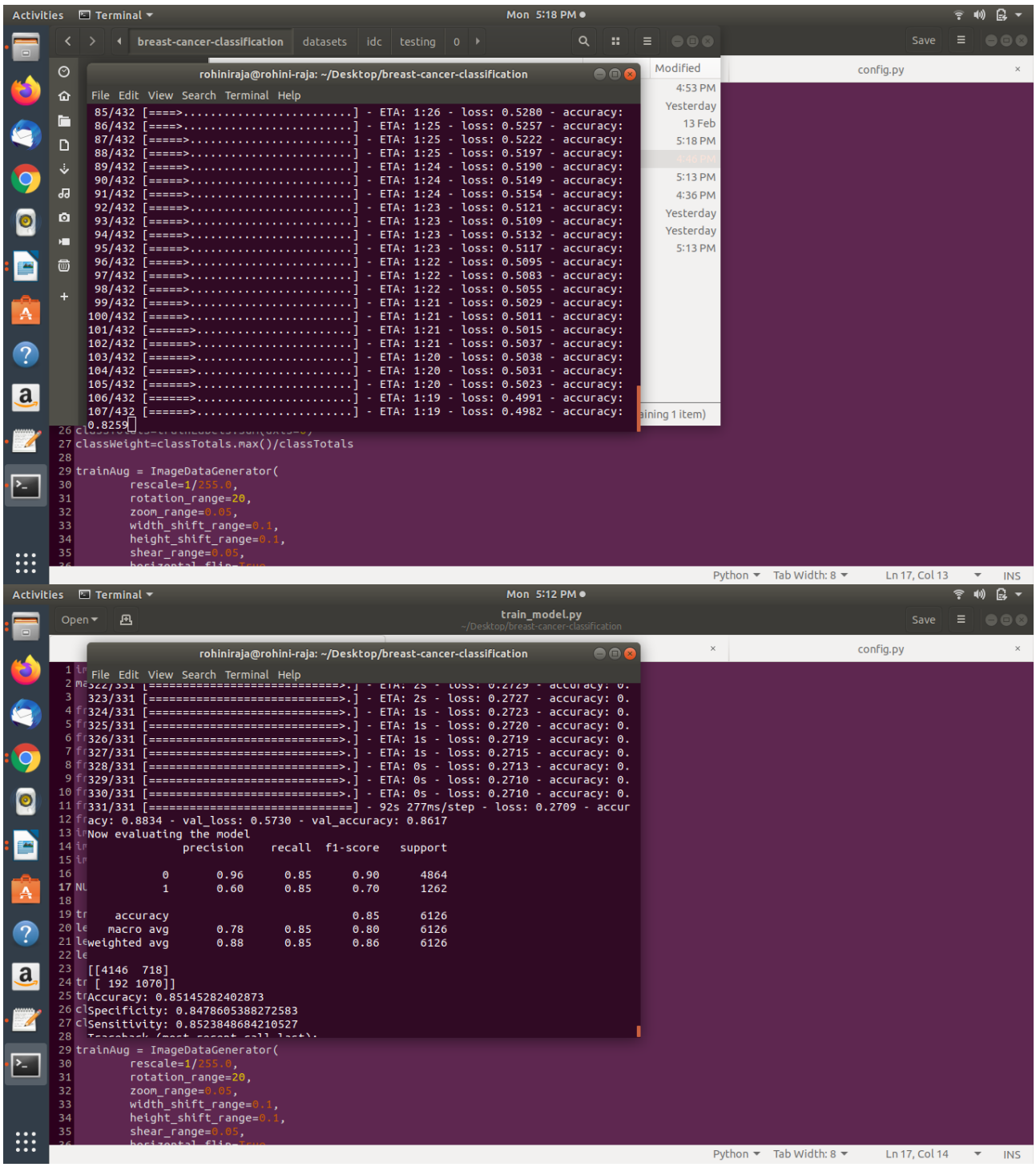
-> Training data - 27,751 - 2,49,749

-> Testing data – 0-27,750 , 2,49,749 – 2,77,500

Accuracy obtained = 0.851

Specifivity = 0.847

Sensitivity = 0.853



3)

Partition 3

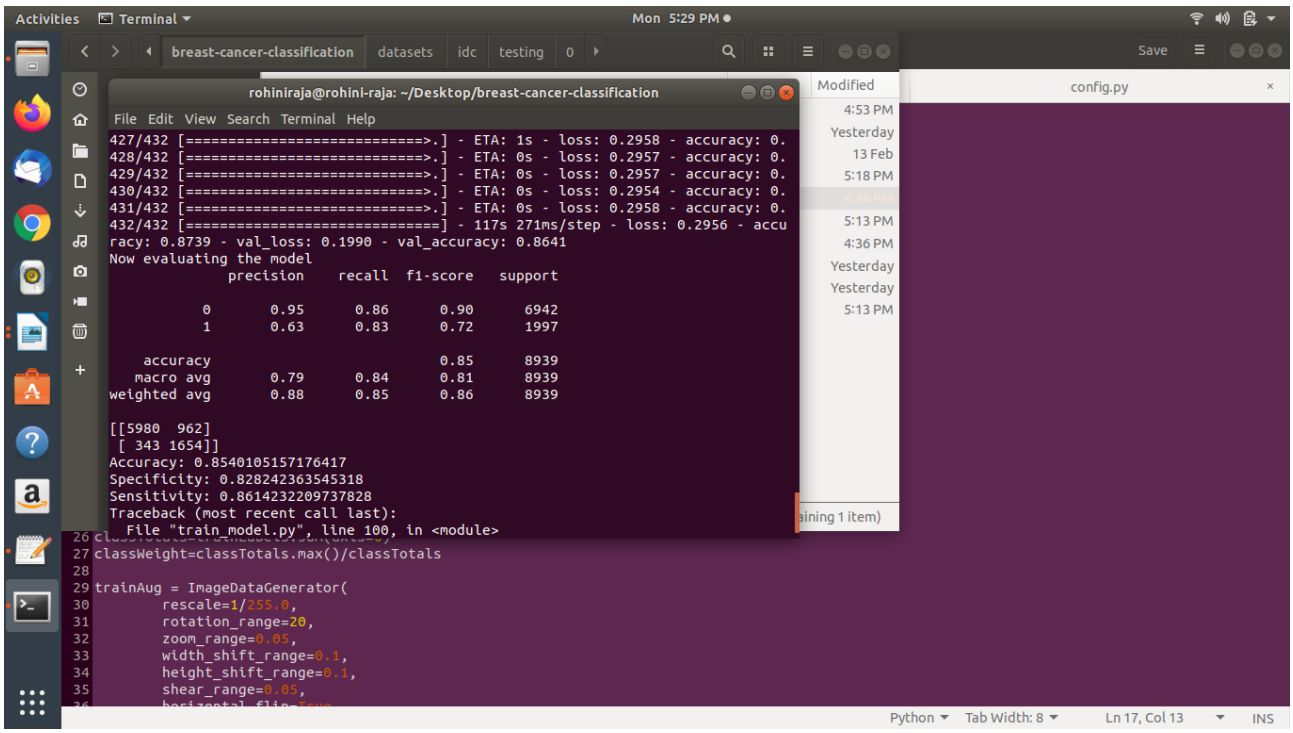
-> Training data – 55,501-2,77,500

-> Testing data – 0-55,500

Accuracy obtained = 0.854

Specifivity = 0.828

Sensitivity = 0.861



4)

Partition 4

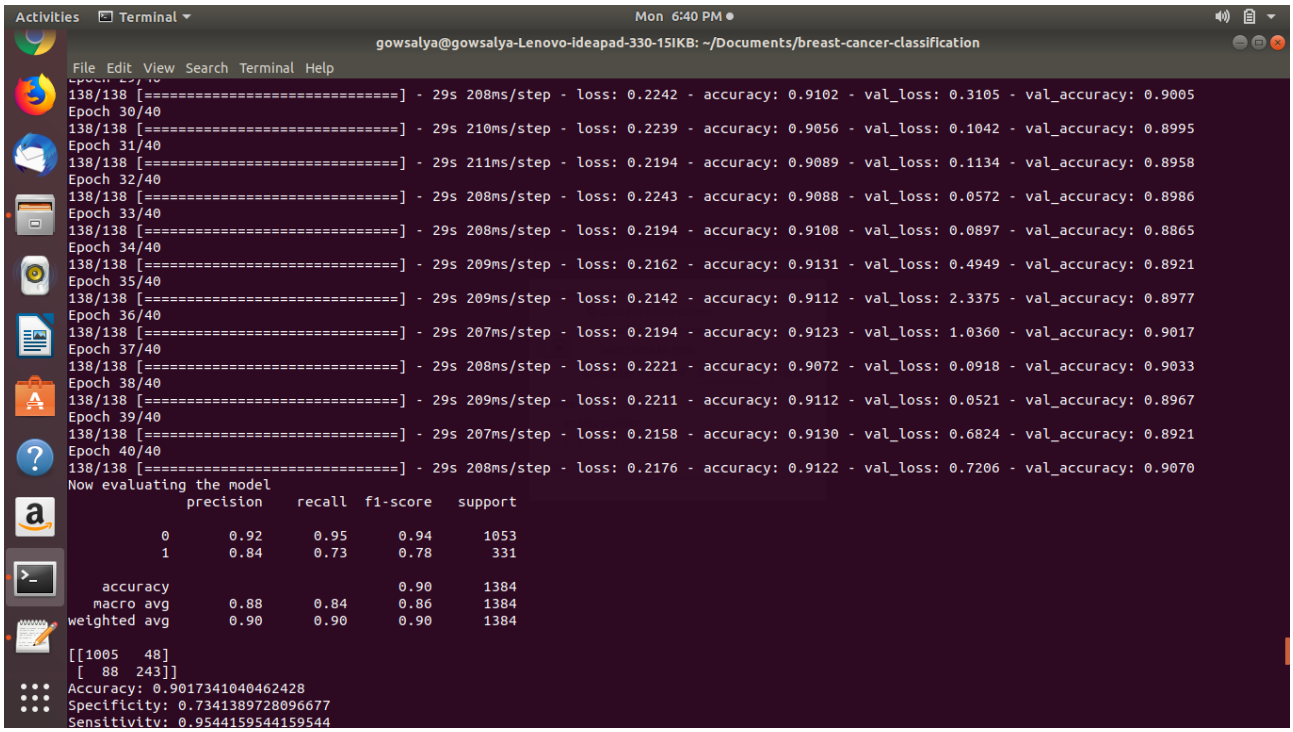
-> Training data - 83,251-2,77,500 , 0-27,750

-> Testing data – 27,751-83,250

Accuracy obtained = 0.901

Specifivity = 0.734

Sensitivity = 0.954



5)

Partition 5

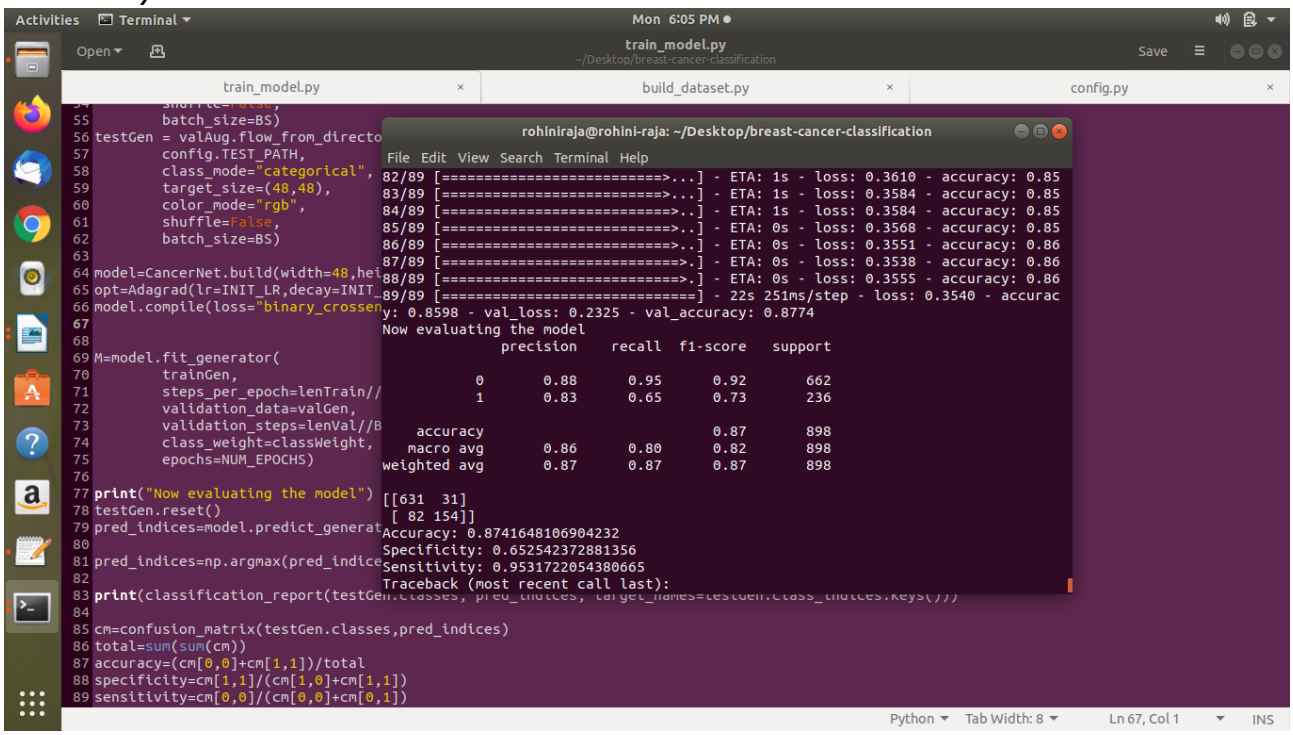
-> Training data - 1,11,001-2,77,500 , 0-55,500

-> Testing data – 27,751-1,11,000

Accuracy obtained = 0.8741

Specifivity = 0.652

Sensitivity = 0.953



6)

Partition 6

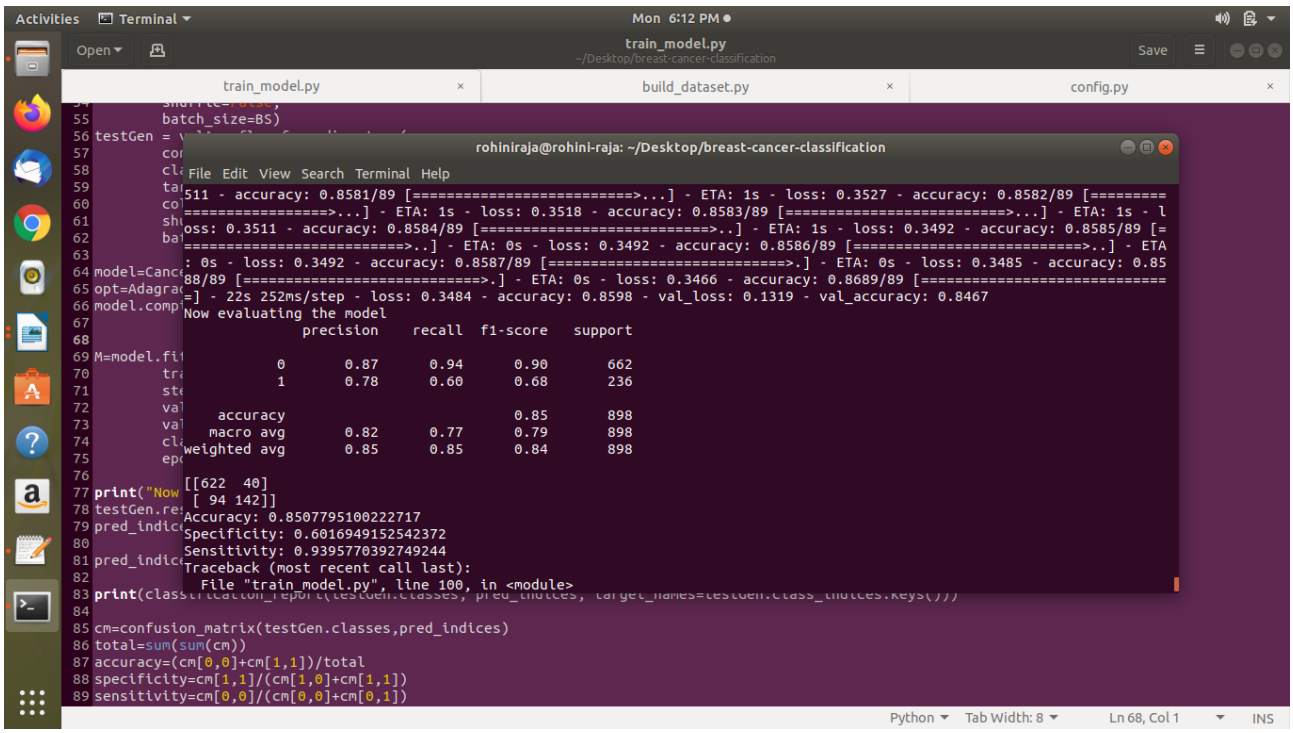
-> Training data - 1,11,001-2,77,500 , 0-83,250

-> Testing data – 27,751-1,38,750

Accuracy obtained = 0.850

Specifivity = 0.601

Sensitivity = 0.939



7) Partition 7

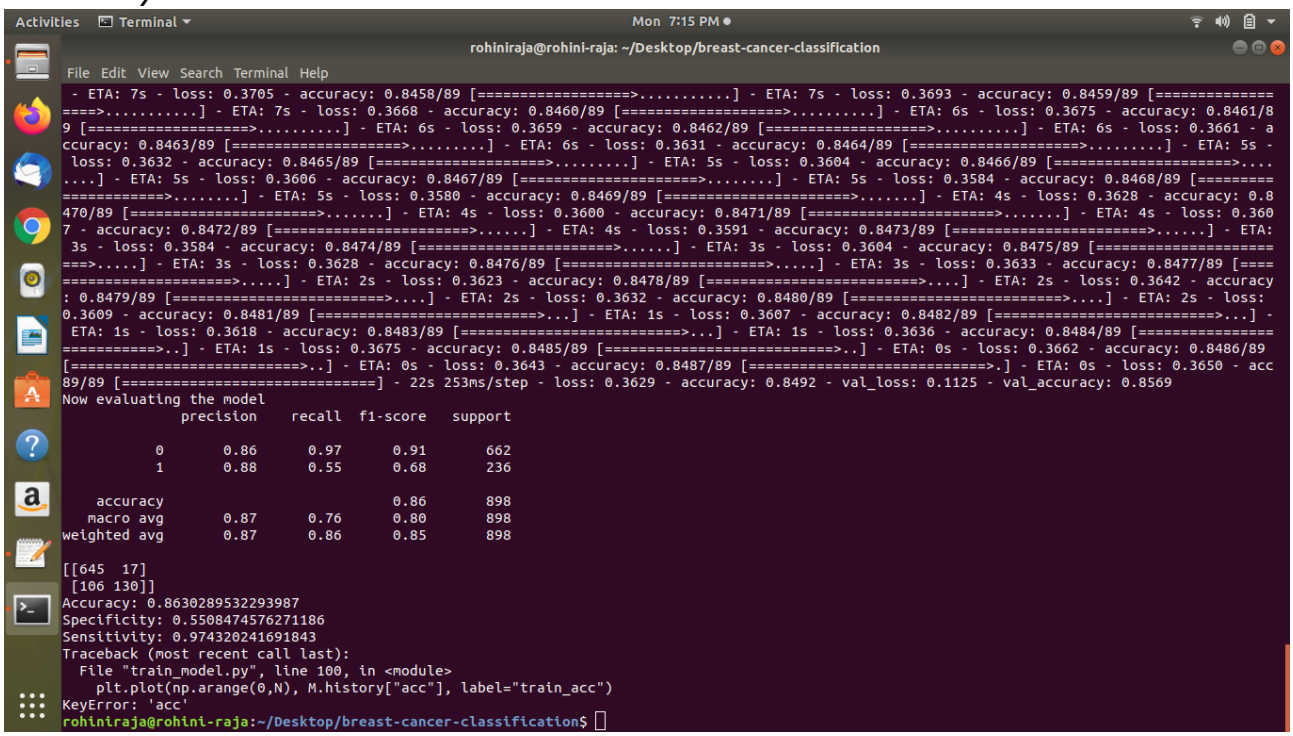
-> Training data - 1,66,501-2,77,500 , 0-1,11,000

-> Testing data – 27,751 – 1,66,500

Accuracy obtained = 0.863

Specifivity = 0.5508

Sensitivity = 0.974



8) Partition 8

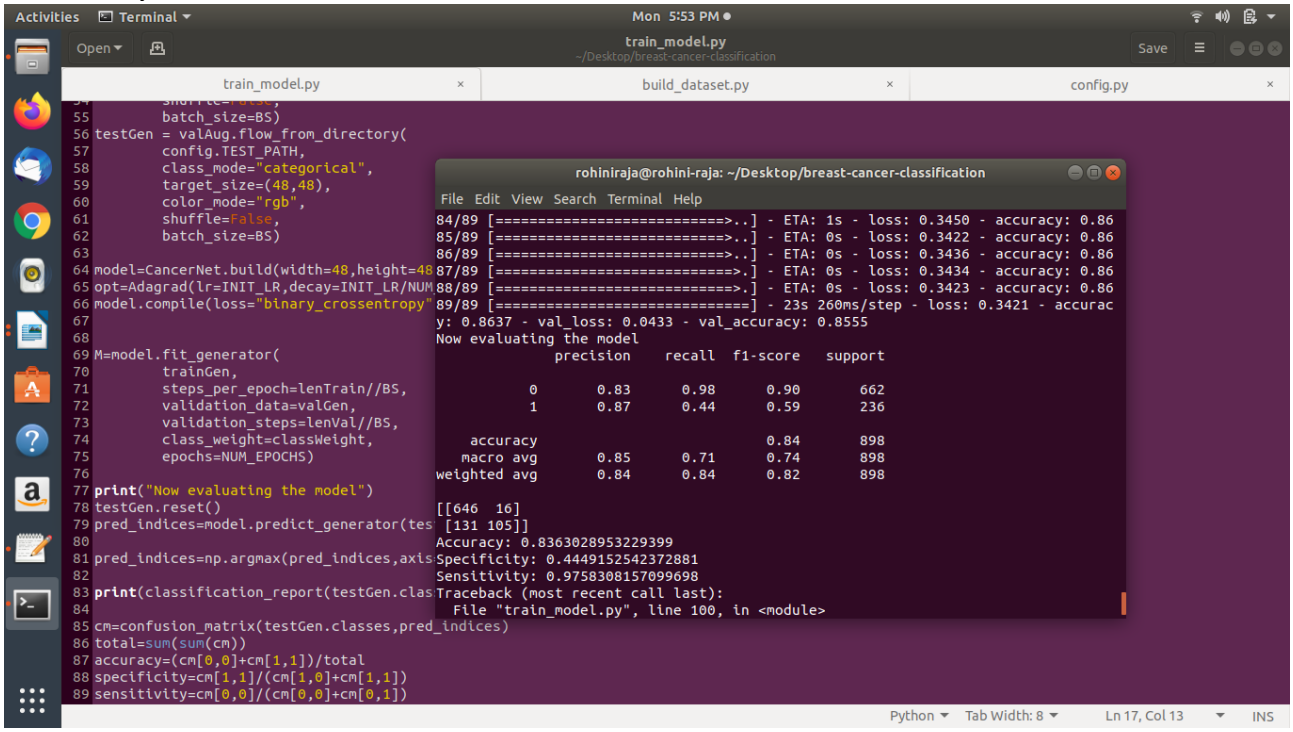
-> Training data - 1,94,251-2,77,500 , 0-1,38,750

-> Testing data – 27,751-1,94,250

Accuracy obtained = 0.8363

Specifivity = 0.4449

Sensitivity = 0.9758



9) Partition 9

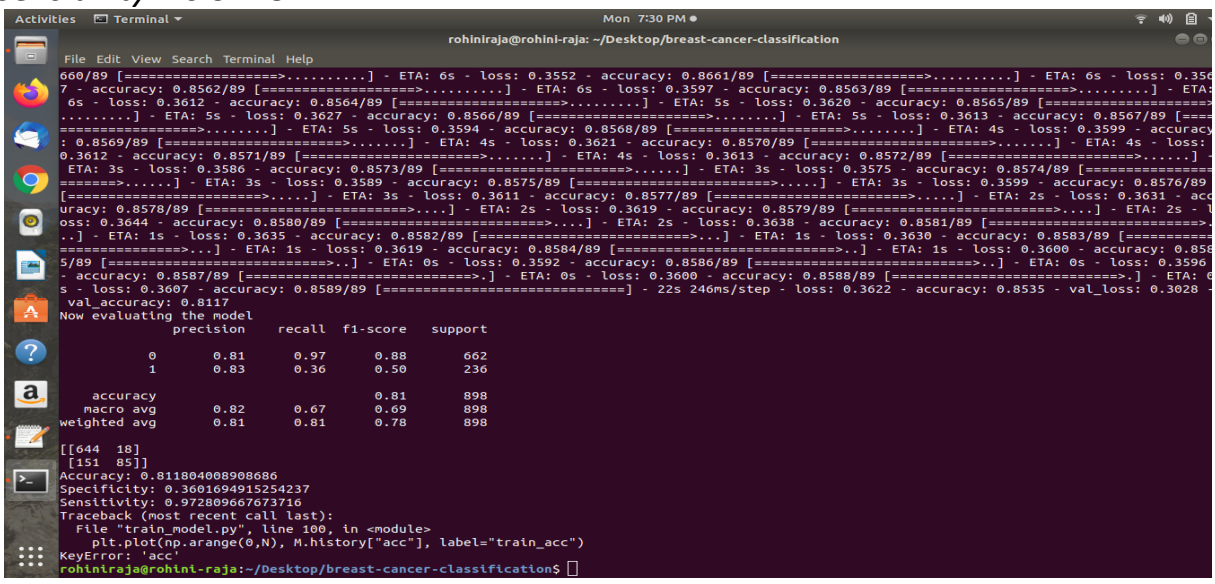
-> Training data - 2,22,001-2,77,500 , 0-1,66,500

-> Testing data – 27,751-2,22,000

Accuracy obtained = 0.8118

Specifivity = 0.3601

Sensitivity = 0.9728



10) Partition 10

-> Training data - 2,49,751-2,77,500 , 0-1,94,250

-> Testing data – 27,751 – 2,49,750

Accuracy obtained = 0.920

Specifivity = 0.621

Sensitivity = 0.958