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val_accuracy: 0.8904 - val_loss: 0.3791 Epoch 7/100	
	0s 1ms/step - accuracy: 0.8603 - loss: 0.3723 -
146/146	0s 1ms/step - accuracy: 0.8731 - loss: 0.3356 -
val_accuracy: 0.8973 - val_loss: 0.2984	0s 1ms/step - accuracy: 0.8659 - loss: 0.3279 -
Epoch 10/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.8636 - loss: 0.3189 -
Epoch 11/100 146/146	
Epoch 12/100 146/146 ————————————————————————————————————	
Epoch 13/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.8962 - loss: 0.2601 -
val_accuracy: 0.9007 - val_loss: 0.2517 Epoch 14/100 146/146	0s 1ms/step - accuracy: 0.8900 - loss: 0.2732 -
val_accuracy: 0.9041 - val_loss: 0.2465 Epoch 15/100 146/146	
val_accuracy: 0.8973 - val_loss: 0.2425 Epoch 16/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.8824 - loss: 0.2696 -
val_accuracy: 0.9075 - val_loss: 0.2394 Epoch 17/100	
146/146	0s 1ms/step - accuracy: 0.9010 - loss: 0.2465 -
146/146	0s 1ms/step - accuracy: 0.8812 - loss: 0.2662 -
146/146 ————————————————————————————————————	
146/146	0s 1ms/step - accuracy: 0.8871 - loss: 0.2685 -
Epoch 21/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.8861 - loss: 0.2739 -
Epoch 22/100 146/146 ————————————————————————————————————	
Epoch 23/100 146/146 ————————————————————————————————————	
val_accuracy: 0.9075 - val_loss: 0.2321 Epoch 24/100 146/146	
val_accuracy: 0.8938 - val_loss: 0.2551 Epoch 25/100 146/146	0s 1ms/step - accuracy: 0.8850 - loss: 0.2701 -
val_accuracy: 0.9075 - val_loss: 0.2305	

Epoch 26/100	
r46/146	0s 1ms/step - accuracy: 0.9002 - loss: 0.2408
146/146	0s 1ms/step - accuracy: 0.8916 - loss: 0.2533
Epoch 28/100 146/146 	0s 1ms/step - accuracy: 0.8900 - loss: 0.2541
Epoch 29/100 L46/146 	
Epoch 30/100 46/146 ————————————————————————————————————	
/al_accuracy: 0.9075 - val_loss: 0.2264 Epoch 31/100 L46/146 	
val_accuracy: 0.9007 - val_loss: 0.2318 Epoch 32/100 .46/146	0 1mg/stopgaguragu: 0.0091 loog: 0.2207
al_accuracy: 0.9007 - val_loss: 0.2433 poch 33/100	0s 1ms/step - accuracy: 0.9081 - loss: 0.2307
.46/146 	0s 1ms/step - accuracy: 0.8881 - loss: 0.2375
.46/146	0s 1ms/step - accuracy: 0.8828 - loss: 0.2535
al_accuracy: 0.9007 - val_loss: 0.2340	0s 1ms/step - accuracy: 0.8955 - loss: 0.2362
Epoch 36/100 .46/146	
Epoch 37/100 .46/146 ————————————————————————————————————	
al_accuracy: 0.8973 - val_loss: 0.2370 Epoch 38/100 .46/146 	
al_accuracy: 0.8973 - val_loss: 0.2487 Epoch 39/100	
al_accuracy: 0.8801 - val_loss: 0.2441 poch 40/100	0s 1ms/step - accuracy: 0.9079 - loss: 0.2079
.46/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.9026 - loss: 0.2250
.46/146	
Epoch 42/100 .46/146 ————————————————————————————————————	
Epoch 43/100 146/146 	
/al_accuracy: 0.8973 - val_loss: 0.2583 Epoch 44/100 L46/146 	
val_accuracy: 0.8870 - val_loss: 0.2367 Epoch 45/100	23 1.115, 313p G33G1G3y, 0.0311 1033, 0.2303

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146/146	
val_accuracy: 0.8938 - val_loss: 0.2411	
Epoch 46/100	
146/146	
val_accuracy: 0.9075 - val_loss: 0.2308	
Epoch 47/100	0.0000
146/146	0s 1ms/step - accuracy: 0.9066 - loss: 0.2305 -
val_accuracy: 0.8425 - val_loss: 0.3609	
Epoch 48/100	0 - 1 / - 0 0077 0 0400
146/146	
val_accuracy: 0.8938 - val_loss: 0.2318	
Epoch 49/100 146/146 ————————————————————————————————————	0a 1ma /atanaaauraaur 0.0127 _laaar 0.2240
val_accuracy: 0.8938 - val_loss: 0.2360	
Epoch 50/100	
146/146 —————	
val_accuracy: 0.8767 - val_loss: 0.3085	05 1115/ Step - accuracy. 0.3071 - 1055. 0.2240 -
Epoch 51/100	
146/146	
val_accuracy: 0.9007 - val_loss: 0.2553	00 11110, 0top - docuracy. 0.0000 - 1000. 0.2001
Epoch 52/100	
146/146	0s 1ms/step - accuracy: 0.9118 - loss: 0.2269 -
val_accuracy: 0.8836 - val_loss: 0.2395	00 11116, 000p
Epoch 53/100	
•	
val_accuracy: 0.8870 - val_loss: 0.2763	
Epoch 54/100	
146/146	
val_accuracy: 0.8904 - val_loss: 0.2389	
Epoch 55/100	
146/146	
val_accuracy: 0.8938 - val_loss: 0.2343	
Epoch 56/100	
146/146	
val_accuracy: 0.9041 - val_loss: 0.2472	
Epoch 57/100	
146/146	
val_accuracy: 0.8904 - val_loss: 0.2335	
Epoch 58/100	0.0000 0.0001
146/146	
val_accuracy: 0.8836 - val_loss: 0.2623	
Epoch 59/100 146/146 ————————————————————————————————————	
val_accuracy: 0.8836 - val_loss: 0.2369	
Epoch 60/100	
146/146	
val_accuracy: 0.8973 - val_loss: 0.2365	03 11113, 3top adecardey. 0.033 1 1033. 0.2020
Epoch 61/100	
146/146	0s 1ms/step - accuracy: 0.9028 - loss: 0.2522 -
val_accuracy: 0.9007 - val_loss: 0.2350	00 11116, 000p
Epoch 62/100	
146/146	0s 1ms/step - accuracy: 0.9023 - loss: 0.2217 -
val_accuracy: 0.8836 - val_loss: 0.3295	, , ,
Epoch 63/100	
146/146	
val_accuracy: 0.8904 - val_loss: 0.2907	
Epoch 64/100	
146/146	0s 1ms/step - accuracy: 0.8930 - loss: 0.2467 -

val_accuracy: 0.8973 - val_loss: 0.2420 Epoch 65/100	
	0s 1ms/step - accuracy: 0.8880 - loss: 0.2498 -
146/146	
146/146	
Epoch 68/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.9024 - loss: 0.2192 -
Epoch 69/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.9095 - loss: 0.2254 -
Epoch 70/100 146/146 ————————————————————————————————————	
Epoch 71/100	
Epoch 72/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.9254 - loss: 0.2055 -
Epoch 73/100	
Epoch 74/100 146/146 ————————————————————————————————————	
val_accuracy: 0.8973 - val_loss: 0.2410 Epoch 75/100 146/146 ————————————————————————————————————	
val_accuracy: 0.8904 - val_loss: 0.2395 Epoch 76/100 146/146 ————————————————————————————————————	
val_accuracy: 0.8904 - val_loss: 0.2413 Epoch 77/100 146/146 	
val_accuracy: 0.8973 - val_loss: 0.2494 Epoch 78/100	
val_accuracy: 0.8767 - val_loss: 0.2489 Epoch 79/100	0s 1ms/step - accuracy: 0.8860 - loss: 0.2487 -
146/146	0s 1ms/step - accuracy: 0.8983 - loss: 0.2314 -
146/146 ————————————————————————————————————	
146/146 ————————————————————————————————————	
146/146	Os 1ms/step - accuracy: 0.9038 - loss: 0.2166 -
Epoch 83/100 146/146 ————————————————————————————————————	0s 1ms/step - accuracy: 0.9037 - loss: 0.2331 -

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Epoch 84/100
146/146 -
                                                    - 0s 1ms/step - accuracy: 0.8951 - loss: 0.2453 -
val accuracy: 0.8733 - val loss: 0.2440
Epoch 85/100
146/146 -
                                                   - 0s 1ms/step - accuracy: 0.9186 - loss: 0.2216 -
val accuracy: 0.8836 - val loss: 0.2436
Epoch 86/100
146/146 -
                                                   — 0s 1ms/step - accuracy: 0.9100 - loss: 0.2008 -
val accuracy: 0.8870 - val loss: 0.2402
Epoch 87/100
146/146 -
                                                   Os 1ms/step - accuracy: 0.9158 - loss: 0.2016 -
val_accuracy: 0.8938 - val_loss: 0.2333
Epoch 88/100
146/146 -
                                                   Os 1ms/step - accuracy: 0.9111 - loss: 0.2012 -
val_accuracy: 0.9007 - val_loss: 0.2597
Epoch 89/100
146/146 -
                                              ------ 0s 1ms/step - accuracy: 0.9110 - loss: 0.2336 -
val_accuracy: 0.8870 - val_loss: 0.2398
Epoch 90/100
146/146 -
                                                ---- 0s 1ms/step - accuracy: 0.8936 - loss: 0.2346 -
val_accuracy: 0.8904 - val_loss: 0.2405
Epoch 91/100
146/146 —
                                                   Os 1ms/step - accuracy: 0.9073 - loss: 0.2327 -
val_accuracy: 0.8938 - val_loss: 0.2409
Epoch 92/100
146/146 —
                                                   Os 1ms/step - accuracy: 0.9079 - loss: 0.2064 -
val_accuracy: 0.8904 - val_loss: 0.2421
Epoch 93/100
146/146 -
                                               ----- 0s 1ms/step - accuracy: 0.9208 - loss: 0.1909 -
val accuracy: 0.8973 - val loss: 0.2397
Epoch 94/100
146/146 —
                                                   Os 1ms/step - accuracy: 0.9181 - loss: 0.2026 -
val accuracy: 0.8973 - val loss: 0.2513
Epoch 95/100
146/146 -
                                                    - 0s 1ms/step - accuracy: 0.8967 - loss: 0.2185 -
val accuracy: 0.8973 - val loss: 0.2474
Epoch 96/100
146/146 -
                                                   Os 1ms/step - accuracy: 0.9090 - loss: 0.2117 -
val accuracy: 0.8973 - val loss: 0.2535
Epoch 97/100
                                               146/146 -
val_accuracy: 0.8938 - val loss: 0.2513
Epoch 98/100
146/146 —
                                                 --- 0s 1ms/step - accuracy: 0.9055 - loss: 0.2386 -
val accuracy: 0.8938 - val loss: 0.2441
Epoch 99/100
146/146 -
                                                    - 0s 2ms/step - accuracy: 0.8957 - loss: 0.2521 -
val_accuracy: 0.8938 - val_loss: 0.2371
Epoch 100/100
146/146 -
                                                    - 0s 1ms/step - accuracy: 0.9207 - loss: 0.2116 -
val accuracy: 0.8938 - val loss: 0.2437
5/5 —
                                                · 0s 2ms/step - accuracy: 0.9313 - loss: 0.2030
The Value of the Loss Function 0.23565618693828583
The Value of the Accuracy Function 0.9109588861465454
5/5 -
                                               - 0s 11ms/step
Precision: 88.0
Recall: 92.0
F1 Score: 90.0
```

File - app

Process finished with exit code 0