# PROJECT DEVELOPMENT PHASE
# MODEL PERFORMANCE TEST

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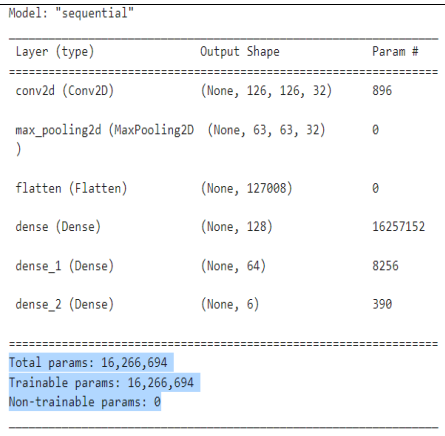
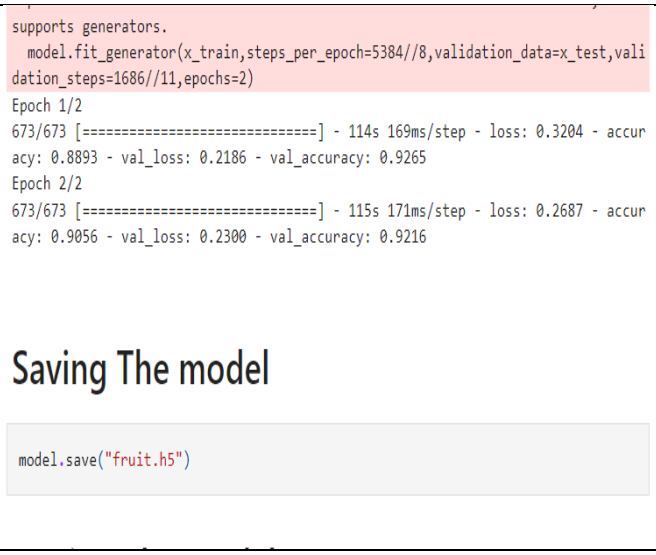
| Date | 15 November 2022 |
| Team ID | PNT2022TMID47415 |
| Project Name | Fertilizer Recommendation System For Disease Prediction |
| Maximum Marks | 10 Marks |

## MODEL PERFORMANCE TESTING

| S.NO. | PARAMETER | VALUES | SCREENSHOT |
|---|---|---|---|
| 1. | Model Summary | Total params: 16,266,694<br>Trainable params: 16,266,694<br>Non-trainable params: 0 |  |
| 2. | Accuracy | Training Accuracy – 0.9056<br><br>Validation Accuracy - 0.9215 |  |

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| 3. | Confidence Score (Only Yolo Projects) | Class Detected - Correct<br><br>Confidence Score - 100 | In [29]:<br>`img = image.load_img(r"/home/wsuser/work/Dataset Plant Disease/fruit-dataset/frui`<br>`img`<br><br>Out[29]:<br> <br><br>In [30]:<br>`x=image.img_to_array(img)`<br>`x=np.expand_dims(x,axis=0)`<br>`pred = np.argmax(model.predict(x),axis=1)`<br>`index=['Apple__Black_rot',`<br>`'Apple__healthy',`<br>`'Corn_(maize)__Northern_Leaf_Blight',`<br>`'Corn_(maize)__healthy',`<br>`'Peach__Bacterial_spot',`<br>`'Peach__healthy']`<br>`index[pred[0]]`<br><br>Out[30]: 'Apple  healthy' |