* Do you get the same results if you run the Notebook multiple times without changing any parameters?

Answer – No the weights are not same. Although the final prediction of model is same.

* What is the effect of adding more neurons to each Conv2D layer?

Answer – Adding more neurons helps in checking overfitting of the model. It also increases the Total number of parameters (trainable and non-trainable)

* What happens if we manipulate the value of Dropout?

Answer – It helps in checking overfitting of the model.

* What is the effect of adding more activation layers to the network?

Answer – Adding more and more activation layers leads to overfitting of the model.

* What is the accuracy score if we use more Dense layers in the model?

Answer – the accuracy score is 0.50.

* Does manipulating the learning rate affect the model? Justify your answer

Answer – When a model has same epoch then on increase the learning rate the model converges quickly to a point. If we decrease the learning rate to smaller value, the model stops to learn and modify the weights since it needs more epochs to train.