Good: Using Image of a pistochio we need to find which typeof

Step1: Setting up the clase:
Total_Images = glob.glob ('.../*/*.jpg') us have a total of 2148 files So for Kirmizi \rightarrow 1232 Slight \rightarrow 916 Stepa: Bepair Late with light getting everything together \$ then Rollitting train: 80%. Val: 10% text: 10%. So that is train: 1717 Val: 217 text: 214 · Step 9: lets reache ours training data tome train_dp =pd. Sevice() train_of ['Albrome'] = train_image.map(lambda ing_name: ing_rane. * * plit ("/') [-1]) train_of ['Closs 10'] = train_image_names.map(lambda ing_name: Ing_name: Aplit("/")[-2]) · Similarly do it for test of Part a image of each Glegory Sothat me can be live frams disectory puth · Steps: For this tack we will use Efficient Not From tensorflaw Keras applications impost Efficient Net-BO model = Efficient NetBO (in t= h = 224, 204, 3), include top = Talse, weights = 'inaggnet')

fine tuning and model we will set last 15 layers as to allo Efficient Net BG fulation () Dropout () Compile _____ Optimizer = adam · Step 7: We can do plot the Model as From tensorflow keros utils import plot_model from I Python Jisplay impost Image plot-model (model, to-lib = 'model.prg', show_shapes = True, show-layer_names = True) Image (filename = 'model.png') · Step 8: To prevent from ever fitting we will use Easly Stypping & to Rang model weights my will also use Model Chackpoint es = Early Stopping (monitor= 'sual-accuracy', male= 'mox', verbose=1, patience=00) mc = Model (nockpoint ('model h5', Monitors = 'val accuracy', mode = 'mox', Raul Gest only = Troe) validation-data ° Step 9: If the model with Verbase -.

-> Callback with Early Supping &

Model Chackpoins History we can accer · Steplo: