Pseudo Codes

`!nvidia-smi` to ensure the GPU is Tesla T4

Install `tensorflow-gpu and scipy==1.1.0`

Import required libraries

Rescale the train and validation data by using `ImageDataGenerator()`

Import the data by `rescaled_images.flow_from_directory()`

VGG16 is a convolution neural net (CNN) architecture which was used to win ILSVR(Imagenet) competition in 2014. It is considered to be one of the excellent vision model architectures till date.

```
Load vgg16(input_shape=[224,224,3]
for layer in loaded_vgg16.layers:
      Do not train them
```

`Flatten` the output of loaded_vgg16

Add a `dense` layer of 2 and softmax activation to the flattened tensor and build the model

```
model.compile(loss='categorical_crossentropy',
              optimizer='adam',
              metrics=['accuracy'])
```

Train the model using `model.fit_generator` for some epochs

`Plot` the variation of losses and accuracy

`Print` the training accuracy