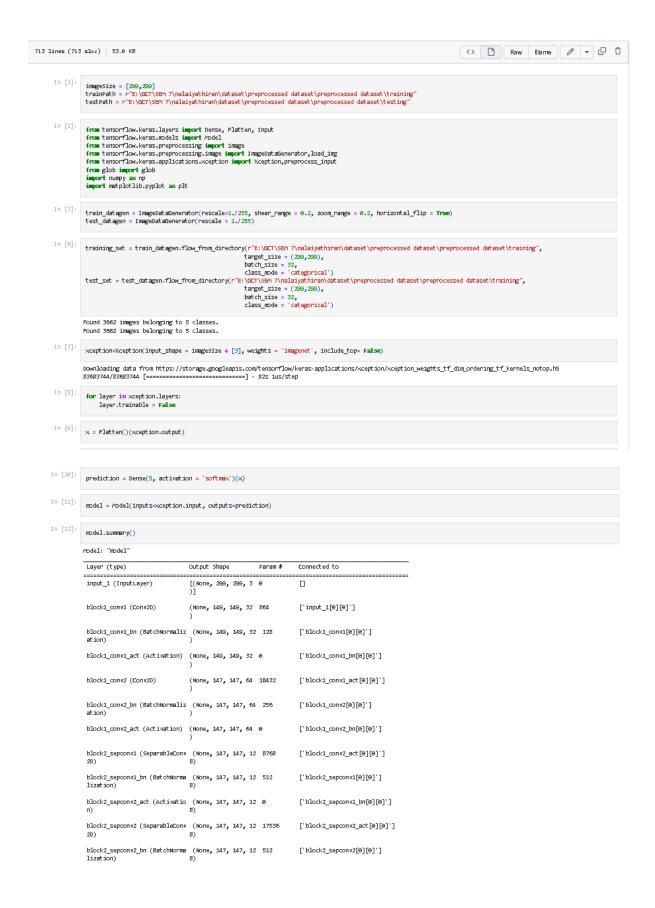
TRAINING MODEL ON IBM



conv2d (Conv2D)	(None, 74, 74, 128) 8192	['block1_conv2_act [0] [0] ']
block2_pool (MexPooling2D)	(None, 74, 74, 128) 0	['block2_sepconv2_bn[0][0]']
<pre>batch_normalization (BatchNor alization)</pre>	m (None, 74, 74, 128) 512	['conv2d[@][@]']
add (Add)	(None, 74, 74, 128) 0	['block2_pool[0][0]', 'batch_normalization[0][0]']
block3_sepconv1_act (Activation)	o (None, 74, 74, 128) 0	['add[9][9]']
block3_sepconv1 (SeparableCon 2D)	v (None, 74, 74, 256) 33920	['block3_sepconv1_act[0][0]']
block3_sepconv1_bn (BatchNorm lization)	a (None, 74, 74, 256) 1024	['block3_sepconv1[0][0]']
block3_sepconv2_act (Activation)	o (None, 74, 74, 256) 0	['block3_sepconv1_bn[0][0]']
block3_sepconv2 (SeparableCon 20)	u (None, 74, 74, 256) 67840	['block3_sepconv2_act[0][0]']
block3_sepconv2_bn (BatchNorm lization)	a (None, 74, 74, 256) 1024	['block3_sepconu2[0][0]']
conv2d_1 (Conv2D)	(None, 37, 37, 256) 32768	['add[0][0]']
block3_pool (MexPooling2D)	(None, 37, 37, 256) 0	['block3_sepconv2_bn[0][0]']
<pre>batch_normalization_1 (BatchNormalization)</pre>	o (None, 37, 37, 256) 1024	['conv2d_1[0][0]']
add_1 (Add)	(None, 37, 37, 256) 0	['block3_pool[0][0]', 'batch_normalization_1[0][0]']
block4_sepconv1_act (Activation)	o (None, 37, 37, 256) 0	['add_1[0][0]']
block4_sepconv1 (SeparableCon 2D)	u (None, 37, 37, 728) 188672	['block4_sepconv1_act[0][0]']
block4_sepconv1_bn (BatchNorm lization)	a (None, 37, 37, 728) 2912	['block4_sepconv1[0][0]']
block4_sepconv2_act (Activation)	o (None, 37, 37, 728) 0	['block4_sepconv1_bn[0][0]']

block4_sepconv2 (SeparableConv 2D)	(None, 37, 37, 728) 536536	['block4_sepconv2_act[0][0]']
block4_sepconv2_bn (BatchNorma lization)	(None, 37, 37, 728) 2912	['block4_sepconv2[0][0]']
conv2d_2 (Conv2D)	(None, 19, 19, 728) 186368	['add_1[0][0]']
block4_pool (MexPooling2D)	(None, 19, 19, 728) 0	['block4_sepconv2_bn[@][@]']
batch_normalization_2 (BatchNo rmalization)	(None, 19, 19, 728) 2912	['conu2d_2[0][0]']
add_2 (Add)	(None, 19, 19, 728) 0	['block4_pool@]@]', 'batch_normalization_2[@]']
block5_sepconv1_act (Activation)	(None, 19, 19, 728) 0	['add_2[0][0]']
block5_sepconv1 (SeparableConv 2D)	(None, 19, 19, 728) 536536	['block5_sepconv1_act[0][0]']
block5_sepconv1_bn (BatchNorma lization)	(None, 19, 19, 728) 2912	['blocks_sepconv1[0][0]']
block5_sepconv2_act (Activatio n)	(None, 19, 19, 728) 0	['blocks_sepconv1_bn[@][@]']
block5_sepconv2 (SeparableConv 2D)	(None, 19, 19, 728) 536536	['block5_sepconv2_act[0][0]']
block5_sepconv2_bn (BatchNorma lization)	(None, 19, 19, 728) 2912	['block5_sepconv2[0][0]']
block5_sepconv3_act (Activation)	(None, 19, 19, 728) 0	['blocks_sepconv2_bn[0][0]']
block5_sepconv3 (SeparableConv 2D)	(None, 19, 19, 728) 536536	['blocks_sepconv3_act[0][0]']
block5_sepconv3_bn (BatchNorma lization)	(None, 19, 19, 728) 2912	['block5_sepconu3[0][0]']
add_3 (Add)	(None, 19, 19, 728) 0	['block5_sepconu3_bn[@][@]', 'add_2[@][@]']
block6_sepconv1_act (Activation)	(None, 19, 19, 728) 0	[,aqq^2(6)[6],]
block6_sepconv1 (SeparableConv	(None, 19, 19, 728) 536536	['block6_sepconv1_act[0][0]']

block6_sepconv1_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block6_sepconv1[0][0]']
block6_sepconv2_act (Activatio n)	(None, 19, 19, 728)	0	['block6_sepconw1_bn[@][@]']
block6_sepconu2 (SeparableConu 2D)	(None, 19, 19, 728)	536536	['block6_sepconw2_act[0][0]']
block6_sepconv2_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block6_sepconv2[@][@]']
block6_sepconv3_act (Activatio n)	(None, 19, 19, 728)	0	['block6_sepconw2_bn[@][@]']
block6_sepconv3 (SeparableConv 2D)	(None, 19, 19, 728)	536536	['block6_sepconv3_act[0][0]']
block6_sepconv3_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block6_sepconv3[@][@]']
add_4 (Add)	(None, 19, 19, 728)	0	['block6_sepconw3_bn[@]',
block7_sepconv1_act (Activatio n)	(None, 19, 19, 728)	0	['add_4[e][e]']
block7_sepconv1 (SeparableConv 2D)	(None, 19, 19, 728)	536536	['block7_sepconv1_act[0][0]']
block7_sepconv1_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block7_sepconv1[0][0]']
block7_sepconv2_act (Activation)	(None, 19, 19, 728)	0	['block7_sepconv1_bn[@][@]']
block7_sepconv2 (SeparableConv 20)	(None, 19, 19, 728)	536536	['block7_sepconw2_act[0][0]']
block7_sepconv2_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block7_sepconv2[@][@]']
block7_sepconv3_act (Activatio n)	(None, 19, 19, 728)	0	['block7_sepconv2_bn[@][@]']
block7_sepconv3 (Sep arableC onv 2D)	(None, 19, 19, 728)	536536	['block7_sepcon#3_act[@][@]']
block7_sepcon03_bn (BatchNorma lization)	(None, 19, 19, 728)	2912	['block?_sepconv3[@][@]']
add_5 (Add)	(None, 19, 19, 728)	0	['block7_sepconv3_bn[0][0]', 'add_4[0][0]')
add_5 (Add) block8_sepconv1_act (Activatio n)			
block8_sepconv1_act (Activatio	(None, 19, 19, 728)	0	'add_4[@][@]']
block8_sepconv1_act (Activatio n) block8_sepconv1 (SeparableConv	(None, 19, 19, 728)	9 536536	[.aqq^2[6][6],] .aqq^4[6][9],]
block8_sepoonv1_act (Activatio n) block8_sepoonv1 (SeparableConv 2D) block8_sepoonv1_bn (BatchNorma	(None, 19, 19, 728) (None, 19, 19, 728) (None, 19, 19, 728)	9 536536 2912	['block8_sepconu1_act[@][@]'] ['add_s[@][@]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activatio	(None, 19, 19, 728) (None, 19, 19, 728) (None, 19, 19, 728) (None, 19, 19, 728)	9 536536 2912 9	['block8_sepconv1_act[0][0]'] ['block8_sepconv1_act[0][0]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_inconv2_inconv2Diock8_sepconv2_inconv2Diock8_sepconv2Dio	(None, 19, 19, 728) (None, 19, 19, 728) (None, 19, 19, 728) (None, 19, 19, 728)	9 536536 2912 9 536536	['blocks_zebcoun_bu[s][s],] ['plocks_zebcoun_bu[s][s],] ['add_z[s][s],]
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2 (SeparableConv2D) block8_sepconv2_bn (BatchNormaD)	(None, 19, 19, 728)	e 536536 2912 e 536536 2912	['block8_sepconv1_act[@][@]'] ['block8_sepconv1_bn[@][@]'] ['block8_sepconv2_act[@][@]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2 (SeparableConv2D) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation)	(None, 19, 19, 728)	9 536536 2912 9 536536 2912 9	['block8_sepconv1_edt[e][e]'] ['block8_sepconv1_edt[e][e]'] ['block8_sepconv2_edt[e][e]'] ['block8_sepconv2_edt[e][e]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2 (SeparableConv2D) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation)	(None, 19, 19, 728)	9 536536 2912 9 536536 9 536636	['block8_sepconv2_bn[@]@]'] ['block8_sepconv2_edt[@]@]'] ['block8_sepconv2_edt[@]@]'] ['block8_sepconv2_edt[@]@]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3 (SeparableConv2D) block8_sepconv3 (SeparableConv2D)	(None, 19, 19, 728)	9 536536 2912 9 536536 2912 9 536536 2912	['block8_sepconv2_act[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv2_act[e][e]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_bn (BatchNormalization)	(None, 19, 19, 728)	6 536536 2912 6 536536 2912 6 536536 2912 6	<pre>'add_s[e][e]'] ['blocks_sepconv1_act[e][e]'] ['blocks_sepconv2_bn[e][e]'] ['blocks_sepconv2_act[e][e]'] ['blocks_sepconv2_act[e][e]'] ['blocks_sepconv2_bn[e][e]'] ['blocks_sepconv2_bn[e][e]'] ['blocks_sepconv3_bn[e][e]']</pre> ['blocks_sepconv3_bn[e][e]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_bn (BatchNormalization) block8_sepconv3_bn (BatchNormalization) add_6 (Add) block9_sepconv1_act (Activation)	(None, 19, 19, 728)	8 536536 2912 8 536536 2912 8 2912 8 6 6	'add_5[0][0]'] ['block8_sepconv1_act[0][0]'] ['block8_sepconv2_bn[0][0]'] ['block8_sepconv2_act[0][0]'] ['block8_sepconv2_bn[0][0]'] ['block8_sepconv2_bn[0][0]'] ['block8_sepconv3_act[0][0]'] ['block8_sepconv3_bn[0][0]'] ['block8_sepconv3_bn[0][0]']
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_bn (BatchNormalization) block8_sepconv3_bn (BatchNormalization) add_6 (Add) block9_sepconv1_act (Activation) block9_sepconv1_act (Activation)	(None, 19, 19, 728)	9 536536 2912 9 536536 2912 9 536536 2912 9 536536 2512	<pre>'add_5[0][0]'] ['add_5[0][0]'] ['block8_sepconv1_act[0][0]'] ['block8_sepconv2_act[0][0]'] ['block8_sepconv2_act[0][0]'] ['block8_sepconv2_bn[0][0]'] ['block8_sepconv2_bn[0][0]'] ['block8_sepconv3_act[0][0]'] ['block8_sepconv3_bn[0][0]'] ['block8_sepconv3_bn[0][0]'] ['block8_sepconv3_bn[0][0]']</pre>
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_act (Activation) block8_sepconv3_bn (BatchNormalization) block8_sepconv3_bn (BatchNormalization) add_6 (Add) block9_sepconv1_act (Activation) block9_sepconv1_act (Activation) block9_sepconv1_bn (SeparableConv2D)	(None, 19, 19, 728)	9 536536 2312 9 536536 2312 9 9 536536 2312 9 9 536536 2312	['block8_sepconv1_act[e][e]'] ['block8_sepconv1_bn[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv2_bn[e][e]'] ['block8_sepconv3_act[e][e]'] ['block8_sepconv3_bn[e][e]'] ['block8_sepconv3_bn[e][e]'] ['block8_sepconv3_bn[e][e]',
block8_sepconv1_act (Activation) block8_sepconv1 (SeparableConv2D) block8_sepconv1_bn (BatchNormalization) block8_sepconv2_act (Activation) block8_sepconv2_bn (BatchNormalization) block8_sepconv3_bn (BatchNormalization) block8_sepconv3_act (Activation) block8_sepconv3_bn (BatchNormalization) block8_sepconv3_bn (BatchNormalization) block8_sepconv1_act (Activation) block9_sepconv1_act (Activation) block9_sepconv1_act (Activation) block9_sepconv1_bn (BatchNormalization) block9_sepconv1_bn (BatchNormalization) block9_sepconv2_act (Activation) block9_sepconv2_act (Activation)	(None, 19, 19, 728)	6 536536 2912 6 536536 2912 6 6 536536 2912 6 6 536536 2912 6	['blocks_sepconv1_act[e][e]'] ['blocks_sepconv1_bn[e][e]'] ['blocks_sepconv2_act[e][e]'] ['blocks_sepconv2_bn[e][e]'] ['blocks_sepconv2_bn[e][e]'] ['blocks_sepconv3_act[e][e]'] ['blocks_sepconv3_act[e][e]'] ['blocks_sepconv3_bn[e][e]'] ['blocks_sepconv3_bn[e][e]'] ['blocks_sepconv3_bn[e][e]'] ['blocks_sepconv3_bn[e][e]'] ['blocks_sepconv1_act[e][e]']

block9_sepconv3_act (Activatio n)	(None, 19, 19, 728) 0	['block9_sepconv2_bn[0][0]']
block9_sepcon#3 (SeparableCon# 2D)	(None, 19, 19, 728) 536536	['block9_sepconv3_act[0][0]']
block9_sepconv3_bn (BatchNorma lization)	(None, 19, 19, 728) 2912	['blocke_sepconv3[0][0]']
add_7 (Add)	(None, 19, 19, 728) 0	['block9_sepconu3_bn[0][0]', 'add_6[0][0]']
block10_sepconv1_act (Activati on)	(None, 19, 19, 728) 0	['add_7[0][0]']
block10_sepconv1 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block10_sepconv1_act[0][0]']
block10_sepconv1_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	[,pjock1@_zebcoun1[@][@],]
block10_sepconv2_act (Activati on)	(None, 19, 19, 728) 0	['block10_sepconv1_bn[0][0]']
block10_sepconv2 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block10_sepconv2_act[0][0]']
block10_sepconv2_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block1@_sepconv2[@][@]']
block10_sepconv3_act (Activati on)	(None, 19, 19, 728) 0	['block10_sepconv2_bn[0][0]']
block10_sepconv3 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block1@_sepconv3_act[@][@]']
block10_sepconv3_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block1@_sepconv3[@][@]']
add_8 (Add)	(None, 19, 19, 728) 0	['block10_sepconv3_bn[0][0]', 'add_7[0][0]']
block11_sepconv1_act (Activati on)	(None, 19, 19, 728) 0	[.aqq_2[0][0],]
block11_sepconv1 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block11_sepconv1_act[0][0]']
block11_sepconv1_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block11_sepconv1[0][0]']
block11_sepconv2_act (Activati on)	(None, 19, 19, 728) 0	['block11_sepconv1_bn[0][0]']
block11_sepconv2 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block11_sepconv2_act[0][0]']
block11_sepconv2_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block11_sepconv2[0][0]']
block11_sepconv3_act (Activati on)	(None, 19, 19, 728) 0	['block11_sepconv2_bn[@][@]']
block11_sepconv3 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block11_sepconv3_act[0][0]']
block11_sepconv3_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block11_sepconv3[0][0]']
add_9 (Add)	(None, 19, 19, 728) 0	['block11_sepconv3_bn[0][0]', 'add_8[0][0]']
block12_sepconv1_act (Activati on)	(None, 19, 19, 728) 0	[.aqq^a[6][6],]
block12_sepconv1 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block12_sepconv1_act[0][0]']
block12_sepconv1_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block12_sepconv1[0][0]']
block12_sepoonv2_act (Activati on)	(None, 19, 19, 728) 0	['block12_sepconv1_bn[0][0]']
block12_sepconv2 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block12_sepconv2_act[0][0]']
block12_sepconv2_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block12_sepconv2[0][0]']
block12_sepconv3_act (Activati on)	(None, 19, 19, 728) 0	['block12_sepconv2_bn[@][@]']
block12_sepconv3 (SeparableCon v2D)	(None, 19, 19, 728) 536536	['block12_sepconv3_act[0][0]']
block12_sepconv3_bn (BatchNorm alization)	(None, 19, 19, 728) 2912	['block12_sepcon#3[0][0]']
add_10 (Add)	(None, 19, 19, 728) 0	['block12_sepconv3_bn[0][0]', 'add_9[0][0]']

```
block13_sepconv1_act (Activati (Mone, 19, 19, 728) 0
                                                               ['add_10[0][0]']
        block13_sepconv1 (SeparableCon (None, 19, 19, 728) 536536
                                                               ['block13_sepconv1_act[0][0]']
         block13_sepconv1_bn (BatchNorm (None, 19, 19, 728) 2912
                                                               ['block13_sepconv1[0][0]']
         alization)
        block13_sepconv2_act (Activati (None, 19, 19, 728) 0
                                                               ['block13 sepconv1 bn[0][0]']
         block13_sepconv2 (SeparableCon (None, 19, 19, 1024 752024
                                                               ['block13_sepconv2_act[0][0]']
        block13_sepconv2_bn (BatchNorm (None, 19, 19, 1924 4096
                                                               ['block13_sepconv2[0][0]']
         alization)
         conv2d_3 (Conv2D)
                                   (None, 10, 10, 1024 745472
                                                               ['add_10[0][0]']
        block13_pool (MexPooling2D) (None, 10, 10, 1024 0
                                                               ['block13 sepconv2 bn[0][0]']
        batch_normalization_3 (BatchNo (None, 10, 10, 10, 1024 4096
rmalization) )
                                                               ['conv2d_3[0][0]']
                                                               ['block13_pool[0][0]',
    'batch_normalization_3[0][0]']
        add 11 (Add)
                                   (None, 10, 10, 1024 0
         block14_sepconv1 (SeparableCon (None, 10, 10, 1536 1582080
                                                               ['add_11[0][0]']
         block14_sepconv1_bn (BatchNorm (None, 10, 10, 1536 6144
                                                               ['block14 sepconv1[0][0]']
         alization)
        block14_sepconv1_act (Activati (None, 10, 10, 1536 0
                                                               ['block14_sepconv1_bn[0][0]']
        block14_sepconv2 (SeparableCon (None, 10, 10, 2048 3159552
                                                               ['block14_sepconv1_act[0][0]']
         block14_sepconv2_bn (BatchNorm (None, 10, 10, 2048 8192
                                                               ['block14_sepconv2[0][0]']
        block14 sepconv2 act (Activati (None, 10, 10, 2048 0
                                                               ['block14 sepcon#2 bn[@][@]']
        flatten (Flatten)
                                   (None, 204800)
                                                               ['block14_sepconv2_act[0][0]']
         dense (Dense)
                                   (None, 5)
                                                     1024005
                                                               ['flatten[0][0]']
         Total params: 21,885,485
        Trainable params: 1,024,0
        Non-trainable params: 20,861,480
         model.compile(loss='categorical_crossentropy',optimizer='adam',metrics=['accuracy'])
In [19]:
         r = model.fit_generator(training_set,
                             validation_data=test_set,
                            epochs=30,
                            steps_per_epoch=len(training_set)//32,
validation_steps=len(test_set)//32
        C:\Users\SRI Sal\AppData\Local\Temp\ipykernel_7336\2721303376.py:1: Userkarning: ^Model.fit_generator` is deprecated and will be removed in a future version. Ple
        ase use `Model.fit`, which supports generators.
r = model.fit_generator(training_set,
               3/3 [=============================] - 58s 23s/step - loss: 3.3913 - accuracy: 0.7708 - val_loss: 2.9005 - val_accuracy: 0.7500
        Epoch 3/39
                3/3 [=====
Epoch 4/39
        3/3 [=====
Epoch 5/39
                 3/3 [=======] - 54s 22s/step - loss: 3.9840 - accuracy: 0.7684 - val_loss: 2.7981 - val_accuracy: 0.7188 Epoch 6/30
        3/3 [==================================] - 55s 22s/step - loss: 2.1252 - accuracy: 0.8333 - val_loss: 2.0358 - val_accuracy: 0.8821 

Epoch 7/30
        3/3 [≕
                -
=========================] - 49s 22s/step - loss: 3.1932 - accuracy: 0.7692 - val_loss: 2.9658 - val_accuracy: 0.7708
        3/3 [==============] - 495 225/5cep - 1055: 5.1932 - accuracy: 0.7842 - val_055: 2.9606 - val_accuracy: 0.7866
3/3 [==========] - 535 215/5cep - loss: 5.5181 - accuracy: 0.7396 - val_loss: 2.7313 - val_accuracy: 0.7812
Epoch 9/30
        3/3 [==============================] - 52s 21s/step - loss: 2.6200 - accuracy: 0.8125 - val_loss: 2.4544 - val_accuracy: 0.6875
        Epoch 19/39
        3/3 [======
Epoch 11/39
3/3 [======
Epoch 12/39
                    =========] - 52s 20s/step - loss: 2.3717 - accuracy: 0.7917 - val_loss: 3.0723 - val_accuracy: 0.6979
                  3/3 [=======] - 52s 20s/step - loss: 4.0855 - accuracy: 0.6875 - val_loss: 3.2525 - val_accuracy: 0.7812 Epoch 13/30
        Enoch 14/39
```

'add_9[0][0]']

```
Epoch 7/39
7/3 [===========] - 93 22/3/5/p - loss: 5.5181 - accuracy: 0.7396 - val_loss: 2.7313 - val_accuracy: 0.7812 |

Bpoch 8/30

3/3 [==========] - 53s 21s/step - loss: 5.5181 - accuracy: 0.7396 - val_loss: 2.7313 - val_accuracy: 0.7812 |

Bpoch 8/30
   :=========] - 52s 21s/step - loss: 2.6200 - accuracy: 0.8125 - wal_loss: 2.4544 - wal_accuracy: 0.6875
3/3 [=====
Epoch 10/30
Enoch 11/39
3/3 [=====:
Epoch 12/39
   Epoch 13/30
Epoch 14/38
3/3 [======
Epoch 15/39
3/3 [======
Epoch 16/39
   3/3 [=====
Epoch 19/38
   3/3 [======
Epoch 29/39
3/3 [===========================] - 52s 21s/step - loss: 1.6552 - accuracy: 0.8438 - wal_loss: 3.4086 - wal_accuracy: 0.7083
Epoch 21/39
Epoch 24/38
3/3 [=====
Epoch 25/39
   Epoch 27/39
Enoch 28/39
Epoch 39/39
3/3 [=========================] - 53s 21s/step - loss: 2.8220 - accuracy: 0.8229 - wal_loss: 1.1712 - wal_accuracy: 0.8542
```

In [20]: model.save('Updated-Xception-diabetic-retinopathy.h5')