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     "from tensorflow.keras.layers import Convolution2D,MaxPooling2D,Flatten,Dense\n",
     "from tensorflow.keras.preprocessing.image import ImageDataGenerator as idm\n",
     "from keras.preprocessing import image\n",
     "import numpy as np\n",
     "from google.colab import drive\n",
     "drive.mount('/content/drive')\n",
     "import warnings\n",
     "#Supressing warnings\n",
     "warnings.filterwarnings('ignore')"
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```
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          "train_flowers=idm(rescale=1./255,zoom_range=0.2,horizontal_flip=True)\n",
          "\n",
          "# Passing training data to train variable\n",
          "Xtrain = train_flowers.flow_from_directory('/content/drive/MyDrive/Assignment
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```

```
]
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     "Flower_model.add(Flatten())\n",
     "Flower\_model.add(Dense(300,activation='relu')) \n",
     "Flower_model.add(Dense(150,activation='relu'))\n",
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          0.5420 - val loss: 1.0876 - val accuracy: 0.5847\n",
           "Epoch 3/10\n",
          "44/44 [===========] - 48s 1s/step - loss: 1.0149 - accuracy:
0.6006 - val_loss: 1.0763 - val_accuracy: 0.5810\n",
           "Epoch 4/10\n",
           "44/44 [========================] - 49s 1s/step - loss: 0.9310 - accuracy:
0.6456 - val loss: 0.8610 - val accuracy: 0.6736\n",
           "Epoch 5/10\n",
          "44/44 [============] - 48s 1s/step - loss: 0.8593 - accuracy:
0.6715 - val loss: 0.8155 - val accuracy: 0.6933\n",
          "Epoch 6/10\n",
           0.6910 - val loss: 0.7720 - val accuracy: 0.7132\n",
           "Epoch 7/10\n",
           0.7051 - val_loss: 0.7954 - val_accuracy: 0.7044\n",
           "Epoch 8/10\n",
           "44/44 [========================] - 47s 1s/step - loss: 0.7366 - accuracy:
0.7267 - val loss: 0.7716 - val accuracy: 0.7213\n",
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```

```
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