IBM Project Name: Real-Time Communication System Powered by AI for Specially Abled

TEAM ID: PNT2022TMID30422

```python
#import imagedatagenerator
from keras.preprocessing.image import ImageDataGenerator#training
datagen
train_datagen=ImageDataGenerator(rescale=1./255,shear_range=0.2,zoom_range=0.2,horizontal_flip=True)
#testing datagen
test_datagen=ImageDataGenerator(rescale=1./255)
```

IMPORTING tensorflow

```python
import tensorflow as tf
import os
```

Initialize The Model

```python
#create model
from keras.models import Sequential
from keras.layers import Dense
from keras.layers import Convolution2D
from keras.layers import MaxPooling2D
from keras.layers import Dropout
from keras.layers import Flatten
from tensorflow.keras.preprocessing.image import ImageDataGenerator
import numpy as np
import matplotlib.pyplot as plt #to view graph in colab itself
```

```
import IPython.display as display

from PIL import Image

import pathlib
```

Unzipping the dataset

```
!unzip '/content/conversation engine for deaf and dumb (1).zip'
```

Streaming output truncated to the last 5000 lines.

 extracting: Dataset/training_set/G/1225.png

 extracting: Dataset/training_set/G/1226.png

 extracting: Dataset/training_set/G/1227.png

 extracting: Dataset/training_set/G/1228.png

 extracting: Dataset/training_set/G/1229.png

 inflating: Dataset/training_set/G/123.png

 extracting: Dataset/training_set/G/1230.png

 extracting: Dataset/training_set/G/1231.png

 extracting: Dataset/training_set/G/1232.png

 inflating: Dataset/training_set/G/1233.png

 inflating: Dataset/training_set/G/1234.png

 inflating: Dataset/training_set/G/1235.png

 inflating: Dataset/training_set/G/1236.png

 inflating: Dataset/training_set/G/1237.png

 inflating: Dataset/training_set/G/1238.png

 inflating: Dataset/training_set/G/1239.png

 inflating: Dataset/training_set/G/124.png

 inflating: Dataset/training_set/G/1240.png

```
 inflating: Dataset/training_set/G/1241.png
 inflating: Dataset/training_set/G/1242.png
inflating: Dataset/training_set/G/1243.png
inflating: Dataset/training_set/G/1244.png
inflating: Dataset/training_set/G/1245.png
extracting: Dataset/training_set/G/1246.png
inflating: Dataset/training_set/G/1247.png
inflating: Dataset/training_set/G/1248.png
inflating: Dataset/training_set/G/1249.png
inflating: Dataset/training_set/G/125.png
inflating: Dataset/training_set/G/1250.png
inflating: Dataset/training_set/G/1251.png
inflating: Dataset/training_set/G/1252.png
inflating: Dataset/training_set/G/1253.png
inflating: Dataset/training_set/G/1254.png
inflating: Dataset/training_set/G/1255.png
inflating: Dataset/training_set/G/1256.png
inflating: Dataset/training_set/G/1257.png
inflating: Dataset/training_set/G/1258.png
inflating: Dataset/training_set/G/1259.png
inflating: Dataset/training_set/G/126.png
inflating: Dataset/training_set/G/1260.png
inflating: Dataset/training_set/G/1261.png
extracting: Dataset/training_set/G/1262.png
inflating: Dataset/training_set/G/1263.png
```

inflating: Dataset/training_set/G/1264.png

inflating: Dataset/training_set/G/1265.png

inflating: Dataset/training_set/G/1266.png

inflating: Dataset/training_set/G/1267.png

extracting: Dataset/training_set/G/1268.png

inflating: Dataset/training_set/G/1269.png

inflating: Dataset/training_set/G/127.png

inflating: Dataset/training_set/G/1270.png

inflating: Dataset/training_set/G/1271.png

inflating: Dataset/training_set/G/1272.png

inflating: Dataset/training_set/G/1273.png

inflating: Dataset/training_set/G/1274.png

inflating: Dataset/training_set/G/1275.png

inflating: Dataset/training_set/G/1276.png

inflating: Dataset/training_set/G/1277.png

inflating: Dataset/training_set/G/1278.png

inflating: Dataset/training_set/G/1279.png

inflating: Dataset/training_set/G/128.png

inflating: Dataset/training_set/G/1280.png

inflating: Dataset/training_set/G/1281.png

inflating: Dataset/training_set/G/1282.png

inflating: Dataset/training_set/G/1283.png

inflating: Dataset/training_set/G/1284.png

inflating: Dataset/training_set/G/1285.png

inflating: Dataset/training_set/G/1286.png

inflating: Dataset/training_set/G/1287.png

inflating: Dataset/training_set/G/1288.png

inflating: Dataset/training_set/G/1289.png

inflating: Dataset/training_set/G/129.png

inflating: Dataset/training_set/G/1290.png

inflating: Dataset/training_set/G/1291.png

inflating: Dataset/training_set/G/1292.png

inflating: Dataset/training_set/G/1293.png

inflating: Dataset/training_set/G/1294.png

inflating: Dataset/training_set/G/1295.png

inflating: Dataset/training_set/G/1296.png

inflating: Dataset/training_set/G/1297.png

inflating: Dataset/training_set/G/1298.png

inflating: Dataset/training_set/G/1299.png

inflating: Dataset/training_set/G/13.png

inflating: Dataset/training_set/G/130.png

inflating: Dataset/training_set/G/1300.png

inflating: Dataset/training_set/G/1301.png

inflating: Dataset/training_set/G/1302.png

inflating: Dataset/training_set/G/1303.png

inflating: Dataset/training_set/G/1304.png

inflating: Dataset/training_set/G/1305.png

inflating: Dataset/training_set/G/1306.png

inflating: Dataset/training_set/G/1307.png

inflating: Dataset/training_set/G/1308.png

inflating: Dataset/training_set/G/1309.png

inflating: Dataset/training_set/G/131.png

inflating: Dataset/training_set/G/1310.png

inflating: Dataset/training_set/G/1311.png

inflating: Dataset/training_set/G/1312.png

inflating: Dataset/training_set/G/1313.png

inflating: Dataset/training_set/G/1314.png

inflating: Dataset/training_set/G/1315.png

inflating: Dataset/training_set/G/1316.png

inflating: Dataset/training_set/G/1317.png

inflating: Dataset/training_set/G/1318.png

inflating: Dataset/training_set/G/1319.png

inflating: Dataset/training_set/G/132.png

inflating: Dataset/training_set/G/1320.png

inflating: Dataset/training_set/G/1321.png

inflating: Dataset/training_set/G/1322.png

inflating: Dataset/training_set/G/1323.png

inflating: Dataset/training_set/G/1324.png

inflating: Dataset/training_set/G/1325.png

inflating: Dataset/training_set/G/1326.png

inflating: Dataset/training_set/G/1327.png

inflating: Dataset/training_set/G/1328.png

inflating: Dataset/training_set/G/1329.png

inflating: Dataset/training_set/G/133.png

inflating: Dataset/training_set/G/1330.png

inflating: Dataset/training_set/G/1331.png
inflating: Dataset/training_set/G/1332.png
inflating: Dataset/training_set/G/1333.png
inflating: Dataset/training_set/G/1334.png
inflating: Dataset/training_set/G/1335.png
inflating: Dataset/training_set/G/1336.png
inflating: Dataset/training_set/G/1337.png
inflating: Dataset/training_set/G/1338.png
inflating: Dataset/training_set/G/1339.png
inflating: Dataset/training_set/G/134.png
inflating: Dataset/training_set/G/1340.png
inflating: Dataset/training_set/G/1341.png
inflating: Dataset/training_set/G/1342.png
inflating: Dataset/training_set/G/1343.png
inflating: Dataset/training_set/G/1344.png
inflating: Dataset/training_set/G/1345.png
inflating: Dataset/training_set/G/1346.png
inflating: Dataset/training_set/G/1347.png
inflating: Dataset/training_set/G/1348.png
extracting: Dataset/training_set/G/1349.png
inflating: Dataset/training_set/G/135.png
inflating: Dataset/training_set/G/1350.png
inflating: Dataset/training_set/G/1351.png
inflating: Dataset/training_set/G/1352.png
inflating: Dataset/training_set/G/1353.png

inflating: Dataset/training_set/G/1354.png

inflating: Dataset/training_set/G/1355.png

inflating: Dataset/training_set/G/1356.png

inflating: Dataset/training_set/G/1357.png

inflating: Dataset/training_set/G/1358.png

inflating: Dataset/training_set/G/1359.png

inflating: Dataset/training_set/G/136.png

inflating: Dataset/training_set/G/1360.png

inflating: Dataset/training_set/G/1361.png

inflating: Dataset/training_set/G/1362.png

inflating: Dataset/training_set/G/1363.png

inflating: Dataset/training_set/G/1364.png

inflating: Dataset/training_set/G/1365.png

inflating: Dataset/training_set/G/1366.png

inflating: Dataset/training_set/G/1367.png

inflating: Dataset/training_set/G/1368.png

inflating: Dataset/training_set/G/1369.png

inflating: Dataset/training_set/G/137.png

inflating: Dataset/training_set/G/1370.png

inflating: Dataset/training_set/G/1371.png

inflating: Dataset/training_set/G/1372.png

inflating: Dataset/training_set/G/1373.png

inflating: Dataset/training_set/G/1374.png

inflating: Dataset/training_set/G/1375.png

inflating: Dataset/training_set/G/1376.png

inflating: Dataset/training_set/G/1377.png

inflating: Dataset/training_set/G/1378.png

extracting: Dataset/training_set/G/1379.png

inflating: Dataset/training_set/G/138.png

inflating: Dataset/training_set/G/1380.png

inflating: Dataset/training_set/G/1381.png

inflating: Dataset/training_set/G/1382.png

inflating: Dataset/training_set/G/1383.png

inflating: Dataset/training_set/G/1384.png

inflating: Dataset/training_set/G/1385.png

inflating: Dataset/training_set/G/1386.png

inflating: Dataset/training_set/G/1387.png

inflating: Dataset/training_set/G/1388.png

inflating: Dataset/training_set/G/1389.png

inflating: Dataset/training_set/G/139.png

inflating: Dataset/training_set/G/1390.png

inflating: Dataset/training_set/G/1391.png

inflating: Dataset/training_set/G/1392.png

inflating: Dataset/training_set/G/1393.png

inflating: Dataset/training_set/G/1394.png

inflating: Dataset/training_set/G/1395.png

inflating: Dataset/training_set/G/1396.png

inflating: Dataset/training_set/G/1397.png

inflating: Dataset/training_set/G/1398.png

inflating: Dataset/training_set/G/1399.png

```
inflating: Dataset/training_set/G/14.png

inflating: Dataset/training_set/G/140.png

inflating: Dataset/training_set/G/1400.png

inflating: Dataset/training_set/G/1401.png

inflating: Dataset/training_set/G/1402.png

inflating: Dataset/training_set/G/1403.png

inflating: Dataset/training_set/G/1404.png

inflating: Dataset/training_set/G/1405.png

inflating: Dataset/training_set/G/1406.png

inflating: Dataset/training_set/G/1407.png

inflating: Dataset/training_set/G/1408.png

inflating: Dataset/training_set/G/1409.png

inflating: Dataset/training_set/G/141.png

inflating: Dataset/training_set/G/1410.png

inflating: Dataset/training_set/G/1411.png

inflating: Dataset/training_set/G/1412.png

inflating: Dataset/training_set/G/1413.png

inflating: Dataset/training_set/G/1414.png

inflating: Dataset/training_set/G/1415.png

inflating: Dataset/training_set/G/1416.png

inflating: Dataset/training_set/G/1417.png

inflating: Dataset/training_set/G/1418.png

inflating: Dataset/training_set/G/1419.png

inflating: Dataset/training_set/G/142.png

inflating: Dataset/training_set/G/1420.png
```

inflating: Dataset/training_set/G/1421.png

inflating: Dataset/training_set/G/1422.png

inflating: Dataset/training_set/G/1423.png

inflating: Dataset/training_set/G/1424.png

inflating: Dataset/training_set/G/1425.png

inflating: Dataset/training_set/G/1426.png

inflating: Dataset/training_set/G/1427.png

inflating: Dataset/training_set/G/1428.png

inflating: Dataset/training_set/G/1429.png

inflating: Dataset/training_set/G/143.png

inflating: Dataset/training_set/G/1430.png

inflating: Dataset/training_set/G/1431.png

inflating: Dataset/training_set/G/1432.png

inflating: Dataset/training_set/G/1433.png

inflating: Dataset/training_set/G/1434.png

inflating: Dataset/training_set/G/1435.png

inflating: Dataset/training_set/G/1436.png

inflating: Dataset/training_set/G/1437.png

inflating: Dataset/training_set/G/1438.png

inflating: Dataset/training_set/G/1439.png

inflating: Dataset/training_set/G/144.png

inflating: Dataset/training_set/G/1440.png

inflating: Dataset/training_set/G/1441.png

inflating: Dataset/training_set/G/1442.png

inflating: Dataset/training_set/G/1443.png

inflating: Dataset/training_set/G/1444.png

inflating: Dataset/training_set/G/1445.png

inflating: Dataset/training_set/G/1446.png

inflating: Dataset/training_set/G/1447.png

inflating: Dataset/training_set/G/1448.png

inflating: Dataset/training_set/G/1449.png

inflating: Dataset/training_set/G/145.png

inflating: Dataset/training_set/G/1450.png

inflating: Dataset/training_set/G/1451.png

inflating: Dataset/training_set/G/1452.png

inflating: Dataset/training_set/G/1453.png

inflating: Dataset/training_set/G/1454.png

inflating: Dataset/training_set/G/1455.png

inflating: Dataset/training_set/G/1456.png

inflating: Dataset/training_set/G/1457.png

inflating: Dataset/training_set/G/1458.png

inflating: Dataset/training_set/G/1459.png

inflating: Dataset/training_set/G/146.png

inflating: Dataset/training_set/G/1460.png

inflating: Dataset/training_set/G/1461.png

inflating: Dataset/training_set/G/1462.png

inflating: Dataset/training_set/G/1463.png

inflating: Dataset/training_set/G/1464.png

inflating: Dataset/training_set/G/1465.png

inflating: Dataset/training_set/G/1466.png

inflating: Dataset/training_set/G/1467.png

inflating: Dataset/training_set/G/1468.png

inflating: Dataset/training_set/G/1469.png

inflating: Dataset/training_set/G/147.png

inflating: Dataset/training_set/G/1470.png

inflating: Dataset/training_set/G/1471.png

inflating: Dataset/training_set/G/1472.png

inflating: Dataset/training_set/G/1473.png

inflating: Dataset/training_set/G/1474.png

inflating: Dataset/training_set/G/1475.png

inflating: Dataset/training_set/G/1476.png

inflating: Dataset/training_set/G/1477.png

inflating: Dataset/training_set/G/1478.png

inflating: Dataset/training_set/G/1479.png

inflating: Dataset/training_set/G/148.png

inflating: Dataset/training_set/G/1480.png

inflating: Dataset/training_set/G/1481.png

inflating: Dataset/training_set/G/1482.png

inflating: Dataset/training_set/G/1483.png

inflating: Dataset/training_set/G/1484.png

inflating: Dataset/training_set/G/1485.png

inflating: Dataset/training_set/G/1486.png

inflating: Dataset/training_set/G/1487.png

inflating: Dataset/training_set/G/1488.png

inflating: Dataset/training_set/G/1489.png

```
inflating: Dataset/training_set/G/149.png

inflating: Dataset/training_set/G/1490.png

inflating: Dataset/training_set/G/1491.png

inflating: Dataset/training_set/G/1492.png

inflating: Dataset/training_set/G/1493.png

inflating: Dataset/training_set/G/1494.png

inflating: Dataset/training_set/G/1495.png

inflating: Dataset/training_set/G/1496.png

inflating: Dataset/training_set/G/1497.png

inflating: Dataset/training_set/G/1498.png

inflating: Dataset/training_set/G/1499.png

inflating: Dataset/training_set/G/15.png

inflating: Dataset/training_set/G/150.png

inflating: Dataset/training_set/G/1500.png

inflating: Dataset/training_set/G/1501.png

inflating: Dataset/training_set/G/1502.png

inflating: Dataset/training_set/G/1503.png

inflating: Dataset/training_set/G/1504.png

inflating: Dataset/training_set/G/1505.png

inflating: Dataset/training_set/G/1506.png

inflating: Dataset/training_set/G/1507.png

inflating: Dataset/training_set/G/1508.png

inflating: Dataset/training_set/G/1509.png

inflating: Dataset/training_set/G/151.png

inflating: Dataset/training_set/G/1510.png
```

inflating: Dataset/training_set/G/1511.png

inflating: Dataset/training_set/G/1512.png

inflating: Dataset/training_set/G/1513.png

inflating: Dataset/training_set/G/1514.png

inflating: Dataset/training_set/G/1515.png

inflating: Dataset/training_set/G/1516.png

inflating: Dataset/training_set/G/1517.png

inflating: Dataset/training_set/G/1518.png

inflating: Dataset/training_set/G/1519.png

inflating: Dataset/training_set/G/152.png

inflating: Dataset/training_set/G/1520.png

inflating: Dataset/training_set/G/1521.png

inflating: Dataset/training_set/G/1522.png

inflating: Dataset/training_set/G/1523.png

inflating: Dataset/training_set/G/1524.png

inflating: Dataset/training_set/G/1525.png

inflating: Dataset/training_set/G/1526.png

inflating: Dataset/training_set/G/1527.png

inflating: Dataset/training_set/G/1528.png

inflating: Dataset/training_set/G/1529.png

inflating: Dataset/training_set/G/153.png

inflating: Dataset/training_set/G/1530.png

inflating: Dataset/training_set/G/1531.png

inflating: Dataset/training_set/G/1532.png

inflating: Dataset/training_set/G/1533.png

inflating: Dataset/training_set/G/1534.png

inflating: Dataset/training_set/G/1535.png

inflating: Dataset/training_set/G/1536.png

inflating: Dataset/training_set/G/1537.png

inflating: Dataset/training_set/G/1538.png

inflating: Dataset/training_set/G/1539.png

inflating: Dataset/training_set/G/154.png

inflating: Dataset/training_set/G/1540.png

inflating: Dataset/training_set/G/1541.png

inflating: Dataset/training_set/G/1542.png

inflating: Dataset/training_set/G/1543.png

inflating: Dataset/training_set/G/1544.png

inflating: Dataset/training_set/G/1545.png

inflating: Dataset/training_set/G/1546.png

inflating: Dataset/training_set/G/1547.png

inflating: Dataset/training_set/G/1548.png

inflating: Dataset/training_set/G/1549.png

inflating: Dataset/training_set/G/155.png

inflating: Dataset/training_set/G/1550.png

inflating: Dataset/training_set/G/1551.png

inflating: Dataset/training_set/G/1552.png

inflating: Dataset/training_set/G/1553.png

inflating: Dataset/training_set/G/1554.png

inflating: Dataset/training_set/G/1555.png

inflating: Dataset/training_set/G/1556.png

inflating: Dataset/training_set/G/1557.png

inflating: Dataset/training_set/G/1558.png

inflating: Dataset/training_set/G/1559.png

inflating: Dataset/training_set/G/156.png

inflating: Dataset/training_set/G/1560.png

inflating: Dataset/training_set/G/1561.png

inflating: Dataset/training_set/G/1562.png

inflating: Dataset/training_set/G/1563.png

inflating: Dataset/training_set/G/1564.png

inflating: Dataset/training_set/G/1565.png

inflating: Dataset/training_set/G/1566.png

inflating: Dataset/training_set/G/1567.png

inflating: Dataset/training_set/G/1568.png

inflating: Dataset/training_set/G/1569.png

inflating: Dataset/training_set/G/157.png

inflating: Dataset/training_set/G/1570.png

inflating: Dataset/training_set/G/1571.png

inflating: Dataset/training_set/G/1572.png

inflating: Dataset/training_set/G/1573.png

inflating: Dataset/training_set/G/1574.png

inflating: Dataset/training_set/G/1575.png

inflating: Dataset/training_set/G/1576.png

inflating: Dataset/training_set/G/1577.png

inflating: Dataset/training_set/G/1578.png

inflating: Dataset/training_set/G/1579.png

inflating: Dataset/training_set/G/158.png

inflating: Dataset/training_set/G/1580.png

inflating: Dataset/training_set/G/1581.png

inflating: Dataset/training_set/G/1582.png

inflating: Dataset/training_set/G/1583.png

inflating: Dataset/training_set/G/1584.png

inflating: Dataset/training_set/G/1585.png

inflating: Dataset/training_set/G/1586.png

inflating: Dataset/training_set/G/1587.png

inflating: Dataset/training_set/G/1588.png

inflating: Dataset/training_set/G/1589.png

inflating: Dataset/training_set/G/159.png

inflating: Dataset/training_set/G/1590.png

inflating: Dataset/training_set/G/1591.png

inflating: Dataset/training_set/G/1592.png

inflating: Dataset/training_set/G/1593.png

inflating: Dataset/training_set/G/1594.png

inflating: Dataset/training_set/G/1595.png

inflating: Dataset/training_set/G/1596.png

inflating: Dataset/training_set/G/1597.png

inflating: Dataset/training_set/G/1598.png

inflating: Dataset/training_set/G/1599.png

inflating: Dataset/training_set/G/16.png

inflating: Dataset/training_set/G/160.png

inflating: Dataset/training_set/G/1600.png

inflating: Dataset/training_set/G/1601.png

inflating: Dataset/training_set/G/1602.png

inflating: Dataset/training_set/G/1603.png

inflating: Dataset/training_set/G/1604.png

inflating: Dataset/training_set/G/1605.png

inflating: Dataset/training_set/G/1606.png

inflating: Dataset/training_set/G/1607.png

inflating: Dataset/training_set/G/1608.png

inflating: Dataset/training_set/G/1609.png

inflating: Dataset/training_set/G/161.png

inflating: Dataset/training_set/G/1610.png

inflating: Dataset/training_set/G/1611.png

inflating: Dataset/training_set/G/1612.png

inflating: Dataset/training_set/G/1613.png

inflating: Dataset/training_set/G/1614.png

inflating: Dataset/training_set/G/1615.png

inflating: Dataset/training_set/G/1616.png

inflating: Dataset/training_set/G/1617.png

inflating: Dataset/training_set/G/1618.png

inflating: Dataset/training_set/G/1619.png

inflating: Dataset/training_set/G/162.png

inflating: Dataset/training_set/G/1620.png

inflating: Dataset/training_set/G/1621.png

inflating: Dataset/training_set/G/1622.png

inflating: Dataset/training_set/G/1623.png

inflating: Dataset/training_set/G/1624.png

inflating: Dataset/training_set/G/1625.png

inflating: Dataset/training_set/G/1626.png

inflating: Dataset/training_set/G/1627.png

inflating: Dataset/training_set/G/1628.png

inflating: Dataset/training_set/G/1629.png

inflating: Dataset/training_set/G/163.png

inflating: Dataset/training_set/G/1630.png

inflating: Dataset/training_set/G/1631.png

inflating: Dataset/training_set/G/1632.png

inflating: Dataset/training_set/G/1633.png

inflating: Dataset/training_set/G/1634.png

inflating: Dataset/training_set/G/1635.png

inflating: Dataset/training_set/G/1636.png

inflating: Dataset/training_set/G/1637.png

inflating: Dataset/training_set/G/1638.png

inflating: Dataset/training_set/G/1639.png

inflating: Dataset/training_set/G/164.png

inflating: Dataset/training_set/G/1640.png

inflating: Dataset/training_set/G/1641.png

inflating: Dataset/training_set/G/1642.png

inflating: Dataset/training_set/G/1643.png

inflating: Dataset/training_set/G/1644.png

inflating: Dataset/training_set/G/1645.png

inflating: Dataset/training_set/G/1646.png

inflating: Dataset/training_set/G/1647.png

inflating: Dataset/training_set/G/1648.png

inflating: Dataset/training_set/G/1649.png

inflating: Dataset/training_set/G/165.png

inflating: Dataset/training_set/G/1650.png

inflating: Dataset/training_set/G/1651.png

inflating: Dataset/training_set/G/1652.png

inflating: Dataset/training_set/G/1653.png

inflating: Dataset/training_set/G/1654.png

inflating: Dataset/training_set/G/1655.png

inflating: Dataset/training_set/G/1656.png

inflating: Dataset/training_set/G/1657.png

inflating: Dataset/training_set/G/1658.png

inflating: Dataset/training_set/G/1659.png

inflating: Dataset/training_set/G/166.png

inflating: Dataset/training_set/G/1660.png

inflating: Dataset/training_set/G/1661.png

inflating: Dataset/training_set/G/1662.png

inflating: Dataset/training_set/G/1663.png

inflating: Dataset/training_set/G/1664.png

inflating: Dataset/training_set/G/1665.png

inflating: Dataset/training_set/G/1666.png

inflating: Dataset/training_set/G/1667.png

inflating: Dataset/training_set/G/1668.png

inflating: Dataset/training_set/G/1669.png

inflating: Dataset/training_set/G/167.png

inflating: Dataset/training_set/G/1670.png

inflating: Dataset/training_set/G/1671.png

inflating: Dataset/training_set/G/1672.png

inflating: Dataset/training_set/G/1673.png

inflating: Dataset/training_set/G/1674.png

inflating: Dataset/training_set/G/1675.png

inflating: Dataset/training_set/G/1676.png

inflating: Dataset/training_set/G/1677.png

inflating: Dataset/training_set/G/1678.png

inflating: Dataset/training_set/G/1679.png

inflating: Dataset/training_set/G/168.png

inflating: Dataset/training_set/G/1680.png

inflating: Dataset/training_set/G/1681.png

inflating: Dataset/training_set/G/1682.png

inflating: Dataset/training_set/G/1683.png

inflating: Dataset/training_set/G/1684.png

inflating: Dataset/training_set/G/1685.png

inflating: Dataset/training_set/G/1686.png

inflating: Dataset/training_set/G/1687.png

inflating: Dataset/training_set/G/1688.png

inflating: Dataset/training_set/G/1689.png

inflating: Dataset/training_set/G/169.png

inflating: Dataset/training_set/G/1690.png

inflating: Dataset/training_set/G/1691.png

inflating: Dataset/training_set/G/1692.png

inflating: Dataset/training_set/G/1693.png

inflating: Dataset/training_set/G/1694.png

inflating: Dataset/training_set/G/1695.png

inflating: Dataset/training_set/G/1696.png

inflating: Dataset/training_set/G/1697.png

inflating: Dataset/training_set/G/1698.png

inflating: Dataset/training_set/G/1699.png

inflating: Dataset/training_set/G/17.png

inflating: Dataset/training_set/G/170.png

inflating: Dataset/training_set/G/1700.png

inflating: Dataset/training_set/G/1701.png

inflating: Dataset/training_set/G/1702.png

inflating: Dataset/training_set/G/1703.png

inflating: Dataset/training_set/G/1704.png

inflating: Dataset/training_set/G/1705.png

inflating: Dataset/training_set/G/1706.png

inflating: Dataset/training_set/G/1707.png

inflating: Dataset/training_set/G/1708.png

inflating: Dataset/training_set/G/1709.png

inflating: Dataset/training_set/G/171.png

inflating: Dataset/training_set/G/1710.png

inflating: Dataset/training_set/G/1711.png

inflating: Dataset/training_set/G/1712.png

inflating: Dataset/training_set/G/1713.png

inflating: Dataset/training_set/G/1792.png

inflating: Dataset/training_set/G/1715.png

inflating: Dataset/training_set/G/1716.png

inflating: Dataset/training_set/G/1717.png

inflating: Dataset/training_set/G/1718.png

inflating: Dataset/training_set/G/1719.png

inflating: Dataset/training_set/G/172.png

inflating: Dataset/training_set/G/1720.png

inflating: Dataset/training_set/G/1721.png

inflating: Dataset/training_set/G/1722.png

inflating: Dataset/training_set/G/1723.png

inflating: Dataset/training_set/G/1724.png

inflating: Dataset/training_set/G/1725.png

inflating: Dataset/training_set/G/1726.png

inflating: Dataset/training_set/G/1727.png

inflating: Dataset/training_set/G/1728.png

inflating: Dataset/training_set/G/1729.png

inflating: Dataset/training_set/G/173.png

inflating: Dataset/training_set/G/1730.png

inflating: Dataset/training_set/G/1731.png

inflating: Dataset/training_set/G/1732.png

inflating: Dataset/training_set/G/1733.png

inflating: Dataset/training_set/G/1734.png

inflating: Dataset/training_set/G/1735.png

inflating: Dataset/training_set/G/1736.png

inflating: Dataset/training_set/G/1737.png

inflating: Dataset/training_set/G/1738.png

inflating: Dataset/training_set/G/1739.png

inflating: Dataset/training_set/G/174.png

inflating: Dataset/training_set/G/1740.png

inflating: Dataset/training_set/G/1741.png

inflating: Dataset/training_set/G/1742.png

inflating: Dataset/training_set/G/1743.png

inflating: Dataset/training_set/G/1744.png

inflating: Dataset/training_set/G/1745.png

inflating: Dataset/training_set/G/1746.png

inflating: Dataset/training_set/G/1747.png

inflating: Dataset/training_set/G/1748.png

inflating: Dataset/training_set/G/1749.png

inflating: Dataset/training_set/G/175.png

inflating: Dataset/training_set/G/1750.png

inflating: Dataset/training_set/G/176.png

inflating: Dataset/training_set/G/177.png

inflating: Dataset/training_set/G/178.png

inflating: Dataset/training_set/G/179.png

inflating: Dataset/training_set/G/18.png

inflating: Dataset/training_set/G/180.png

inflating: Dataset/training_set/G/181.png

inflating: Dataset/training_set/G/182.png

inflating: Dataset/training_set/G/183.png

inflating: Dataset/training_set/G/184.png

inflating: Dataset/training_set/G/185.png

inflating: Dataset/training_set/G/186.png

inflating: Dataset/training_set/G/187.png

inflating: Dataset/training_set/G/188.png

inflating: Dataset/training_set/G/189.png

inflating: Dataset/training_set/G/19.png

inflating: Dataset/training_set/G/190.png

inflating: Dataset/training_set/G/191.png

inflating: Dataset/training_set/G/192.png

inflating: Dataset/training_set/G/193.png

inflating: Dataset/training_set/G/194.png

inflating: Dataset/training_set/G/195.png

inflating: Dataset/training_set/G/196.png

inflating: Dataset/training_set/G/197.png

inflating: Dataset/training_set/G/198.png

inflating: Dataset/training_set/G/199.png

inflating: Dataset/training_set/G/2.png

inflating: Dataset/training_set/G/20.png

inflating: Dataset/training_set/G/200.png

inflating: Dataset/training_set/G/201.png

inflating: Dataset/training_set/G/202.png

inflating: Dataset/training_set/G/203.png

inflating: Dataset/training_set/G/204.png

inflating: Dataset/training_set/G/205.png

inflating: Dataset/training_set/G/206.png

inflating: Dataset/training_set/G/207.png

inflating: Dataset/training_set/G/208.png

inflating: Dataset/training_set/G/209.png

inflating: Dataset/training_set/G/21.png

inflating: Dataset/training_set/G/210.png

inflating: Dataset/training_set/G/211.png

inflating: Dataset/training_set/G/212.png

inflating: Dataset/training_set/G/213.png

inflating: Dataset/training_set/G/214.png

inflating: Dataset/training_set/G/215.png

inflating: Dataset/training_set/G/216.png

inflating: Dataset/training_set/G/217.png

inflating: Dataset/training_set/G/218.png

inflating: Dataset/training_set/G/219.png

inflating: Dataset/training_set/G/22.png

inflating: Dataset/training_set/G/220.png

inflating: Dataset/training_set/G/221.png

inflating: Dataset/training_set/G/222.png

inflating: Dataset/training_set/G/223.png

inflating: Dataset/training_set/G/224.png

inflating: Dataset/training_set/G/225.png

inflating: Dataset/training_set/G/226.png

inflating: Dataset/training_set/G/227.png

inflating: Dataset/training_set/G/228.png

inflating: Dataset/training_set/G/229.png

inflating: Dataset/training_set/G/23.png

inflating: Dataset/training_set/G/230.png

inflating: Dataset/training_set/G/231.png

inflating: Dataset/training_set/G/232.png

inflating: Dataset/training_set/G/233.png

inflating: Dataset/training_set/G/234.png

inflating: Dataset/training_set/G/235.png

inflating: Dataset/training_set/G/236.png

inflating: Dataset/training_set/G/237.png

inflating: Dataset/training_set/G/238.png

inflating: Dataset/training_set/G/239.png

inflating: Dataset/training_set/G/24.png

inflating: Dataset/training_set/G/240.png

inflating: Dataset/training_set/G/241.png

inflating: Dataset/training_set/G/242.png

inflating: Dataset/training_set/G/243.png

inflating: Dataset/training_set/G/244.png

inflating: Dataset/training_set/G/245.png

inflating: Dataset/training_set/G/246.png

inflating: Dataset/training_set/G/247.png

inflating: Dataset/training_set/G/248.png

inflating: Dataset/training_set/G/249.png

inflating: Dataset/training_set/G/25.png

inflating: Dataset/training_set/G/250.png

inflating: Dataset/training_set/G/251.png

inflating: Dataset/training_set/G/252.png

inflating: Dataset/training_set/G/253.png

inflating: Dataset/training_set/G/254.png

inflating: Dataset/training_set/G/255.png

inflating: Dataset/training_set/G/256.png

inflating: Dataset/training_set/G/257.png

inflating: Dataset/training_set/G/258.png

inflating: Dataset/training_set/G/259.png

inflating: Dataset/training_set/G/26.png

inflating: Dataset/training_set/G/260.png

inflating: Dataset/training_set/G/261.png

inflating: Dataset/training_set/G/262.png

inflating: Dataset/training_set/G/263.png

inflating: Dataset/training_set/G/264.png

inflating: Dataset/training_set/G/265.png

inflating: Dataset/training_set/G/266.png

inflating: Dataset/training_set/G/267.png

inflating: Dataset/training_set/G/268.png

inflating: Dataset/training_set/G/269.png

inflating: Dataset/training_set/G/27.png

inflating: Dataset/training_set/G/270.png

inflating: Dataset/training_set/G/271.png

inflating: Dataset/training_set/G/272.png

inflating: Dataset/training_set/G/273.png

inflating: Dataset/training_set/G/274.png

inflating: Dataset/training_set/G/275.png

inflating: Dataset/training_set/G/276.png

inflating: Dataset/training_set/G/277.png

inflating: Dataset/training_set/G/278.png

inflating: Dataset/training_set/G/279.png

inflating: Dataset/training_set/G/28.png

inflating: Dataset/training_set/G/280.png

inflating: Dataset/training_set/G/281.png

inflating: Dataset/training_set/G/282.png

inflating: Dataset/training_set/G/283.png

inflating: Dataset/training_set/G/284.png

inflating: Dataset/training_set/G/285.png

inflating: Dataset/training_set/G/286.png

inflating: Dataset/training_set/G/287.png

inflating: Dataset/training_set/G/288.png

inflating: Dataset/training_set/G/289.png

inflating: Dataset/training_set/G/29.png

inflating: Dataset/training_set/G/290.png

inflating: Dataset/training_set/G/291.png

inflating: Dataset/training_set/G/292.png

inflating: Dataset/training_set/G/293.png

inflating: Dataset/training_set/G/294.png

inflating: Dataset/training_set/G/295.png

inflating: Dataset/training_set/G/296.png

inflating: Dataset/training_set/G/297.png

inflating: Dataset/training_set/G/298.png

inflating: Dataset/training_set/G/299.png

inflating: Dataset/training_set/G/3.png

inflating: Dataset/training_set/G/30.png

inflating: Dataset/training_set/G/300.png

inflating: Dataset/training_set/G/301.png

inflating: Dataset/training_set/G/302.png

inflating: Dataset/training_set/G/303.png

inflating: Dataset/training_set/G/304.png

inflating: Dataset/training_set/G/305.png

inflating: Dataset/training_set/G/306.png

inflating: Dataset/training_set/G/307.png

inflating: Dataset/training_set/G/308.png

inflating: Dataset/training_set/G/309.png

inflating: Dataset/training_set/G/31.png

inflating: Dataset/training_set/G/310.png

inflating: Dataset/training_set/G/311.png

inflating: Dataset/training_set/G/312.png

inflating: Dataset/training_set/G/313.png

inflating: Dataset/training_set/G/314.png

inflating: Dataset/training_set/G/315.png

inflating: Dataset/training_set/G/316.png

inflating: Dataset/training_set/G/317.png

inflating: Dataset/training_set/G/318.png

inflating: Dataset/training_set/G/319.png

inflating: Dataset/training_set/G/32.png

inflating: Dataset/training_set/G/320.png

inflating: Dataset/training_set/G/321.png

inflating: Dataset/training_set/G/322.png

inflating: Dataset/training_set/G/323.png

inflating: Dataset/training_set/G/324.png

inflating: Dataset/training_set/G/325.png

inflating: Dataset/training_set/G/326.png

inflating: Dataset/training_set/G/327.png

inflating: Dataset/training_set/G/328.png

inflating: Dataset/training_set/G/329.png

inflating: Dataset/training_set/G/33.png

inflating: Dataset/training_set/G/330.png

inflating: Dataset/training_set/G/331.png

inflating: Dataset/training_set/G/332.png

inflating: Dataset/training_set/G/333.png

inflating: Dataset/training_set/G/334.png

inflating: Dataset/training_set/G/335.png

inflating: Dataset/training_set/G/336.png

inflating: Dataset/training_set/G/337.png

inflating: Dataset/training_set/G/338.png

inflating: Dataset/training_set/G/339.png

inflating: Dataset/training_set/G/34.png

inflating: Dataset/training_set/G/340.png

inflating: Dataset/training_set/G/341.png

inflating: Dataset/training_set/G/342.png

inflating: Dataset/training_set/G/343.png

inflating: Dataset/training_set/G/344.png

inflating: Dataset/training_set/G/345.png

inflating: Dataset/training_set/G/346.png

inflating: Dataset/training_set/G/347.png

inflating: Dataset/training_set/G/348.png

inflating: Dataset/training_set/G/349.png

inflating: Dataset/training_set/G/35.png

inflating: Dataset/training_set/G/350.png

inflating: Dataset/training_set/G/351.png

inflating: Dataset/training_set/G/352.png

inflating: Dataset/training_set/G/353.png

inflating: Dataset/training_set/G/354.png

inflating: Dataset/training_set/G/355.png

inflating: Dataset/training_set/G/356.png

inflating: Dataset/training_set/G/357.png

inflating: Dataset/training_set/G/358.png

inflating: Dataset/training_set/G/359.png

inflating: Dataset/training_set/G/36.png

inflating: Dataset/training_set/G/360.png

inflating: Dataset/training_set/G/361.png

inflating: Dataset/training_set/G/362.png

inflating: Dataset/training_set/G/363.png

inflating: Dataset/training_set/G/364.png

inflating: Dataset/training_set/G/365.png

inflating: Dataset/training_set/G/366.png

inflating: Dataset/training_set/G/367.png

inflating: Dataset/training_set/G/368.png

inflating: Dataset/training_set/G/369.png

inflating: Dataset/training_set/G/37.png

inflating: Dataset/training_set/G/370.png

inflating: Dataset/training_set/G/371.png

inflating: Dataset/training_set/G/372.png

inflating: Dataset/training_set/G/373.png

inflating: Dataset/training_set/G/374.png

inflating: Dataset/training_set/G/375.png

inflating: Dataset/training_set/G/376.png

inflating: Dataset/training_set/G/377.png

inflating: Dataset/training_set/G/378.png

inflating: Dataset/training_set/G/379.png

inflating: Dataset/training_set/G/38.png

inflating: Dataset/training_set/G/380.png

inflating: Dataset/training_set/G/381.png

inflating: Dataset/training_set/G/382.png

inflating: Dataset/training_set/G/383.png

inflating: Dataset/training_set/G/384.png

inflating: Dataset/training_set/G/385.png

inflating: Dataset/training_set/G/386.png

inflating: Dataset/training_set/G/387.png

inflating: Dataset/training_set/G/388.png

inflating: Dataset/training_set/G/389.png

inflating: Dataset/training_set/G/39.png

inflating: Dataset/training_set/G/390.png

inflating: Dataset/training_set/G/391.png

inflating: Dataset/training_set/G/392.png

inflating: Dataset/training_set/G/393.png

extracting: Dataset/training_set/G/394.png

inflating: Dataset/training_set/G/395.png

inflating: Dataset/training_set/G/396.png

inflating: Dataset/training_set/G/397.png

inflating: Dataset/training_set/G/398.png

inflating: Dataset/training_set/G/399.png

inflating: Dataset/training_set/G/4.png

inflating: Dataset/training_set/G/40.png

inflating: Dataset/training_set/G/400.png

inflating: Dataset/training_set/G/401.png

inflating: Dataset/training_set/G/402.png

inflating: Dataset/training_set/G/403.png

inflating: Dataset/training_set/G/404.png

inflating: Dataset/training_set/G/405.png

inflating: Dataset/training_set/G/406.png

extracting: Dataset/training_set/G/407.png

inflating: Dataset/training_set/G/408.png

inflating: Dataset/training_set/G/409.png

inflating: Dataset/training_set/G/41.png

inflating: Dataset/training_set/G/410.png

inflating: Dataset/training_set/G/411.png

extracting: Dataset/training_set/G/412.png

inflating: Dataset/training_set/G/413.png

inflating: Dataset/training_set/G/414.png

inflating: Dataset/training_set/G/415.png

inflating: Dataset/training_set/G/416.png

extracting: Dataset/training_set/G/417.png

inflating: Dataset/training_set/G/418.png

inflating: Dataset/training_set/G/419.png

inflating: Dataset/training_set/G/42.png

inflating: Dataset/training_set/G/420.png

inflating: Dataset/training_set/G/421.png

inflating: Dataset/training_set/G/422.png

inflating: Dataset/training_set/G/423.png

extracting: Dataset/training_set/G/424.png

inflating: Dataset/training_set/G/425.png

inflating: Dataset/training_set/G/426.png

inflating: Dataset/training_set/G/427.png

inflating: Dataset/training_set/G/428.png

inflating: Dataset/training_set/G/429.png

inflating: Dataset/training_set/G/43.png

inflating: Dataset/training_set/G/430.png

inflating: Dataset/training_set/G/431.png

inflating: Dataset/training_set/G/432.png

inflating: Dataset/training_set/G/433.png

inflating: Dataset/training_set/G/434.png

inflating: Dataset/training_set/G/435.png

inflating: Dataset/training_set/G/436.png

inflating: Dataset/training_set/G/437.png

inflating: Dataset/training_set/G/438.png

inflating: Dataset/training_set/G/439.png

inflating: Dataset/training_set/G/44.png

inflating: Dataset/training_set/G/440.png

inflating: Dataset/training_set/G/441.png

inflating: Dataset/training_set/G/442.png

inflating: Dataset/training_set/G/443.png

inflating: Dataset/training_set/G/444.png

inflating: Dataset/training_set/G/445.png

inflating: Dataset/training_set/G/446.png

inflating: Dataset/training_set/G/447.png

inflating: Dataset/training_set/G/448.png

inflating: Dataset/training_set/G/449.png

inflating: Dataset/training_set/G/45.png

inflating: Dataset/training_set/G/450.png

inflating: Dataset/training_set/G/451.png

inflating: Dataset/training_set/G/452.png

inflating: Dataset/training_set/G/453.png

inflating: Dataset/training_set/G/454.png

inflating: Dataset/training_set/G/455.png

inflating: Dataset/training_set/G/456.png

inflating: Dataset/training_set/G/457.png

inflating: Dataset/training_set/G/458.png

inflating: Dataset/training_set/G/459.png

inflating: Dataset/training_set/G/46.png

inflating: Dataset/training_set/G/460.png

inflating: Dataset/training_set/G/461.png

inflating: Dataset/training_set/G/462.png

inflating: Dataset/training_set/G/463.png

inflating: Dataset/training_set/G/464.png

inflating: Dataset/training_set/G/465.png

inflating: Dataset/training_set/G/466.png

extracting: Dataset/training_set/G/467.png

extracting: Dataset/training_set/G/468.png

inflating: Dataset/training_set/G/469.png

inflating: Dataset/training_set/G/47.png

inflating: Dataset/training_set/G/470.png

inflating: Dataset/training_set/G/471.png

extracting: Dataset/training_set/G/472.png

extracting: Dataset/training_set/G/473.png

extracting: Dataset/training_set/G/474.png

inflating: Dataset/training_set/G/475.png

inflating: Dataset/training_set/G/476.png

extracting: Dataset/training_set/G/477.png

inflating: Dataset/training_set/G/478.png

inflating: Dataset/training_set/G/479.png

inflating: Dataset/training_set/G/48.png

extracting: Dataset/training_set/G/480.png

inflating: Dataset/training_set/G/481.png

inflating: Dataset/training_set/G/482.png

extracting: Dataset/training_set/G/483.png

inflating: Dataset/training_set/G/484.png

inflating: Dataset/training_set/G/485.png

inflating: Dataset/training_set/G/486.png

extracting: Dataset/training_set/G/487.png

inflating: Dataset/training_set/G/488.png

inflating: Dataset/training_set/G/489.png

inflating: Dataset/training_set/G/49.png

inflating: Dataset/training_set/G/490.png

inflating: Dataset/training_set/G/491.png

inflating: Dataset/training_set/G/492.png

inflating: Dataset/training_set/G/493.png

inflating: Dataset/training_set/G/494.png

inflating: Dataset/training_set/G/495.png

inflating: Dataset/training_set/G/496.png

inflating: Dataset/training_set/G/497.png

inflating: Dataset/training_set/G/498.png

inflating: Dataset/training_set/G/499.png

```
inflating: Dataset/training_set/G/5.png

inflating: Dataset/training_set/G/50.png

inflating: Dataset/training_set/G/500.png

inflating: Dataset/training_set/G/501.png

inflating: Dataset/training_set/G/502.png

inflating: Dataset/training_set/G/505.png

inflating: Dataset/training_set/G/506.png

inflating: Dataset/training_set/G/507.png

inflating: Dataset/training_set/G/508.png

inflating: Dataset/training_set/G/509.png

inflating: Dataset/training_set/G/51.png

inflating: Dataset/training_set/G/510.png

inflating: Dataset/training_set/G/511.png

inflating: Dataset/training_set/G/512.png

inflating: Dataset/training_set/G/513.png

inflating: Dataset/training_set/G/514.png

inflating: Dataset/training_set/G/515.png

inflating: Dataset/training_set/G/516.png

inflating: Dataset/training_set/G/517.png

inflating: Dataset/training_set/G/518.png

inflating: Dataset/training_set/G/519.png

inflating: Dataset/training_set/G/52.png

inflating: Dataset/training_set/G/520.png

inflating: Dataset/training_set/G/521.png

inflating: Dataset/training_set/G/522.png
```

inflating: Dataset/training_set/G/523.png

inflating: Dataset/training_set/G/524.png

inflating: Dataset/training_set/G/525.png

inflating: Dataset/training_set/G/526.png

inflating: Dataset/training_set/G/527.png

inflating: Dataset/training_set/G/528.png

inflating: Dataset/training_set/G/529.png

inflating: Dataset/training_set/G/53.png

inflating: Dataset/training_set/G/530.png

inflating: Dataset/training_set/G/531.png

inflating: Dataset/training_set/G/532.png

inflating: Dataset/training_set/G/533.png

inflating: Dataset/training_set/G/534.png

inflating: Dataset/training_set/G/535.png

inflating: Dataset/training_set/G/536.png

inflating: Dataset/training_set/G/537.png

inflating: Dataset/training_set/G/538.png

inflating: Dataset/training_set/G/539.png

inflating: Dataset/training_set/G/54.png

inflating: Dataset/training_set/G/540.png

inflating: Dataset/training_set/G/541.png

inflating: Dataset/training_set/G/542.png

inflating: Dataset/training_set/G/543.png

inflating: Dataset/training_set/G/544.png

inflating: Dataset/training_set/G/545.png

inflating: Dataset/training_set/G/546.png

inflating: Dataset/training_set/G/547.png

inflating: Dataset/training_set/G/548.png

inflating: Dataset/training_set/G/549.png

inflating: Dataset/training_set/G/55.png

inflating: Dataset/training_set/G/550.png

inflating: Dataset/training_set/G/551.png

inflating: Dataset/training_set/G/552.png

inflating: Dataset/training_set/G/553.png

inflating: Dataset/training_set/G/554.png

inflating: Dataset/training_set/G/555.png

inflating: Dataset/training_set/G/556.png

inflating: Dataset/training_set/G/557.png

inflating: Dataset/training_set/G/558.png

inflating: Dataset/training_set/G/559.png

inflating: Dataset/training_set/G/56.png

inflating: Dataset/training_set/G/560.png

inflating: Dataset/training_set/G/561.png

inflating: Dataset/training_set/G/562.png

inflating: Dataset/training_set/G/563.png

inflating: Dataset/training_set/G/564.png

inflating: Dataset/training_set/G/565.png

inflating: Dataset/training_set/G/566.png

inflating: Dataset/training_set/G/567.png

inflating: Dataset/training_set/G/568.png

inflating: Dataset/training_set/G/569.png

inflating: Dataset/training_set/G/57.png

inflating: Dataset/training_set/G/570.png

inflating: Dataset/training_set/G/571.png

inflating: Dataset/training_set/G/572.png

inflating: Dataset/training_set/G/573.png

inflating: Dataset/training_set/G/574.png

extracting: Dataset/training_set/G/575.png

inflating: Dataset/training_set/G/576.png

inflating: Dataset/training_set/G/577.png

inflating: Dataset/training_set/G/578.png

inflating: Dataset/training_set/G/579.png

inflating: Dataset/training_set/G/58.png

extracting: Dataset/training_set/G/580.png

inflating: Dataset/training_set/G/581.png

extracting: Dataset/training_set/G/582.png

inflating: Dataset/training_set/G/583.png

inflating: Dataset/training_set/G/584.png

inflating: Dataset/training_set/G/585.png

extracting: Dataset/training_set/G/586.png

inflating: Dataset/training_set/G/587.png

inflating: Dataset/training_set/G/588.png

inflating: Dataset/training_set/G/589.png

inflating: Dataset/training_set/G/59.png

extracting: Dataset/training_set/G/590.png

inflating: Dataset/training_set/G/591.png

inflating: Dataset/training_set/G/592.png

inflating: Dataset/training_set/G/593.png

inflating: Dataset/training_set/G/594.png

inflating: Dataset/training_set/G/595.png

extracting: Dataset/training_set/G/596.png

extracting: Dataset/training_set/G/597.png

inflating: Dataset/training_set/G/598.png

extracting: Dataset/training_set/G/599.png

inflating: Dataset/training_set/G/6.png

inflating: Dataset/training_set/G/60.png

inflating: Dataset/training_set/G/600.png

inflating: Dataset/training_set/G/601.png

inflating: Dataset/training_set/G/602.png

extracting: Dataset/training_set/G/603.png

inflating: Dataset/training_set/G/604.png

inflating: Dataset/training_set/G/605.png

inflating: Dataset/training_set/G/606.png

inflating: Dataset/training_set/G/607.png

inflating: Dataset/training_set/G/608.png

inflating: Dataset/training_set/G/609.png

inflating: Dataset/training_set/G/61.png

inflating: Dataset/training_set/G/610.png

inflating: Dataset/training_set/G/611.png

inflating: Dataset/training_set/G/612.png

inflating: Dataset/training_set/G/613.png

inflating: Dataset/training_set/G/614.png

inflating: Dataset/training_set/G/615.png

inflating: Dataset/training_set/G/616.png

inflating: Dataset/training_set/G/617.png

inflating: Dataset/training_set/G/618.png

inflating: Dataset/training_set/G/619.png

inflating: Dataset/training_set/G/62.png

inflating: Dataset/training_set/G/620.png

inflating: Dataset/training_set/G/621.png

inflating: Dataset/training_set/G/622.png

inflating: Dataset/training_set/G/623.png

inflating: Dataset/training_set/G/624.png

inflating: Dataset/training_set/G/625.png

inflating: Dataset/training_set/G/626.png

inflating: Dataset/training_set/G/627.png

inflating: Dataset/training_set/G/628.png

inflating: Dataset/training_set/G/629.png

inflating: Dataset/training_set/G/63.png

inflating: Dataset/training_set/G/630.png

inflating: Dataset/training_set/G/631.png

inflating: Dataset/training_set/G/632.png

inflating: Dataset/training_set/G/633.png

inflating: Dataset/training_set/G/634.png

inflating: Dataset/training_set/G/635.png

inflating: Dataset/training_set/G/636.png

inflating: Dataset/training_set/G/637.png

inflating: Dataset/training_set/G/638.png

inflating: Dataset/training_set/G/639.png

inflating: Dataset/training_set/G/64.png

inflating: Dataset/training_set/G/640.png

inflating: Dataset/training_set/G/641.png

inflating: Dataset/training_set/G/642.png

inflating: Dataset/training_set/G/643.png

inflating: Dataset/training_set/G/644.png

inflating: Dataset/training_set/G/645.png

inflating: Dataset/training_set/G/646.png

inflating: Dataset/training_set/G/647.png

inflating: Dataset/training_set/G/648.png

inflating: Dataset/training_set/G/649.png

inflating: Dataset/training_set/G/65.png

inflating: Dataset/training_set/G/650.png

inflating: Dataset/training_set/G/651.png

inflating: Dataset/training_set/G/652.png

inflating: Dataset/training_set/G/653.png

inflating: Dataset/training_set/G/654.png

inflating: Dataset/training_set/G/655.png

inflating: Dataset/training_set/G/656.png

inflating: Dataset/training_set/G/657.png

inflating: Dataset/training_set/G/658.png

inflating: Dataset/training_set/G/659.png

inflating: Dataset/training_set/G/66.png

inflating: Dataset/training_set/G/660.png

inflating: Dataset/training_set/G/661.png

inflating: Dataset/training_set/G/662.png

inflating: Dataset/training_set/G/663.png

inflating: Dataset/training_set/G/664.png

inflating: Dataset/training_set/G/665.png

inflating: Dataset/training_set/G/666.png

inflating: Dataset/training_set/G/667.png

inflating: Dataset/training_set/G/668.png

inflating: Dataset/training_set/G/669.png

inflating: Dataset/training_set/G/67.png

inflating: Dataset/training_set/G/670.png

inflating: Dataset/training_set/G/671.png

inflating: Dataset/training_set/G/672.png

inflating: Dataset/training_set/G/673.png

inflating: Dataset/training_set/G/674.png

inflating: Dataset/training_set/G/675.png

inflating: Dataset/training_set/G/676.png

inflating: Dataset/training_set/G/677.png

inflating: Dataset/training_set/G/678.png

inflating: Dataset/training_set/G/679.png

inflating: Dataset/training_set/G/68.png

inflating: Dataset/training_set/G/680.png

inflating: Dataset/training_set/G/681.png

inflating: Dataset/training_set/G/682.png

inflating: Dataset/training_set/G/683.png

inflating: Dataset/training_set/G/684.png

inflating: Dataset/training_set/G/685.png

inflating: Dataset/training_set/G/686.png

inflating: Dataset/training_set/G/687.png

inflating: Dataset/training_set/G/688.png

inflating: Dataset/training_set/G/689.png

inflating: Dataset/training_set/G/69.png

inflating: Dataset/training_set/G/690.png

inflating: Dataset/training_set/G/691.png

inflating: Dataset/training_set/G/692.png

inflating: Dataset/training_set/G/693.png

inflating: Dataset/training_set/G/694.png

inflating: Dataset/training_set/G/695.png

inflating: Dataset/training_set/G/696.png

inflating: Dataset/training_set/G/697.png

inflating: Dataset/training_set/G/698.png

inflating: Dataset/training_set/G/699.png

inflating: Dataset/training_set/G/7.png

inflating: Dataset/training_set/G/70.png

inflating: Dataset/training_set/G/700.png

extracting: Dataset/training_set/G/701.png

inflating: Dataset/training_set/G/702.png

inflating: Dataset/training_set/G/703.png

inflating: Dataset/training_set/G/704.png

inflating: Dataset/training_set/G/705.png

inflating: Dataset/training_set/G/706.png

inflating: Dataset/training_set/G/707.png

inflating: Dataset/training_set/G/708.png

inflating: Dataset/training_set/G/709.png

inflating: Dataset/training_set/G/71.png

inflating: Dataset/training_set/G/710.png

inflating: Dataset/training_set/G/711.png

inflating: Dataset/training_set/G/712.png

inflating: Dataset/training_set/G/713.png

inflating: Dataset/training_set/G/714.png

inflating: Dataset/training_set/G/715.png

inflating: Dataset/training_set/G/716.png

inflating: Dataset/training_set/G/717.png

inflating: Dataset/training_set/G/718.png

inflating: Dataset/training_set/G/719.png

inflating: Dataset/training_set/G/72.png

inflating: Dataset/training_set/G/720.png

inflating: Dataset/training_set/G/721.png

inflating: Dataset/training_set/G/722.png

inflating: Dataset/training_set/G/723.png

inflating: Dataset/training_set/G/724.png

inflating: Dataset/training_set/G/725.png

inflating: Dataset/training_set/G/726.png

inflating: Dataset/training_set/G/727.png

inflating: Dataset/training_set/G/728.png

inflating: Dataset/training_set/G/729.png

inflating: Dataset/training_set/G/73.png

inflating: Dataset/training_set/G/730.png

inflating: Dataset/training_set/G/731.png

inflating: Dataset/training_set/G/732.png

inflating: Dataset/training_set/G/733.png

inflating: Dataset/training_set/G/734.png

inflating: Dataset/training_set/G/735.png

inflating: Dataset/training_set/G/736.png

inflating: Dataset/training_set/G/737.png

inflating: Dataset/training_set/G/738.png

inflating: Dataset/training_set/G/739.png

inflating: Dataset/training_set/G/74.png

inflating: Dataset/training_set/G/740.png

extracting: Dataset/training_set/G/741.png

inflating: Dataset/training_set/G/742.png

inflating: Dataset/training_set/G/743.png

inflating: Dataset/training_set/G/744.png

inflating: Dataset/training_set/G/745.png

inflating: Dataset/training_set/G/746.png

inflating: Dataset/training_set/G/747.png

inflating: Dataset/training_set/G/748.png

inflating: Dataset/training_set/G/749.png

inflating: Dataset/training_set/G/75.png

inflating: Dataset/training_set/G/750.png

inflating: Dataset/training_set/G/751.png

inflating: Dataset/training_set/G/752.png

inflating: Dataset/training_set/G/753.png

inflating: Dataset/training_set/G/754.png

inflating: Dataset/training_set/G/755.png

inflating: Dataset/training_set/G/756.png

inflating: Dataset/training_set/G/757.png

inflating: Dataset/training_set/G/758.png

inflating: Dataset/training_set/G/759.png

inflating: Dataset/training_set/G/76.png

inflating: Dataset/training_set/G/760.png

inflating: Dataset/training_set/G/761.png

inflating: Dataset/training_set/G/762.png

inflating: Dataset/training_set/G/763.png

inflating: Dataset/training_set/G/764.png

inflating: Dataset/training_set/G/765.png

inflating: Dataset/training_set/G/766.png

inflating: Dataset/training_set/G/767.png

inflating: Dataset/training_set/G/768.png

extracting: Dataset/training_set/G/769.png

inflating: Dataset/training_set/G/77.png

inflating: Dataset/training_set/G/770.png

inflating: Dataset/training_set/G/771.png

inflating: Dataset/training_set/G/772.png

inflating: Dataset/training_set/G/773.png

inflating: Dataset/training_set/G/774.png

inflating: Dataset/training_set/G/775.png

inflating: Dataset/training_set/G/776.png

inflating: Dataset/training_set/G/777.png

inflating: Dataset/training_set/G/778.png

inflating: Dataset/training_set/G/779.png

inflating: Dataset/training_set/G/78.png

inflating: Dataset/training_set/G/780.png

inflating: Dataset/training_set/G/781.png

inflating: Dataset/training_set/G/782.png

inflating: Dataset/training_set/G/783.png

inflating: Dataset/training_set/G/784.png

inflating: Dataset/training_set/G/785.png

inflating: Dataset/training_set/G/786.png

inflating: Dataset/training_set/G/787.png

inflating: Dataset/training_set/G/788.png

inflating: Dataset/training_set/G/789.png

inflating: Dataset/training_set/G/79.png

inflating: Dataset/training_set/G/790.png

inflating: Dataset/training_set/G/791.png

inflating: Dataset/training_set/G/792.png

inflating: Dataset/training_set/G/793.png

inflating: Dataset/training_set/G/794.png

inflating: Dataset/training_set/G/795.png

inflating: Dataset/training_set/G/796.png

extracting: Dataset/training_set/G/797.png

extracting: Dataset/training_set/G/798.png

inflating: Dataset/training_set/G/799.png

inflating: Dataset/training_set/G/8.png

inflating: Dataset/training_set/G/80.png

extracting: Dataset/training_set/G/800.png

inflating: Dataset/training_set/G/801.png

inflating: Dataset/training_set/G/802.png

inflating: Dataset/training_set/G/803.png

inflating: Dataset/training_set/G/804.png

inflating: Dataset/training_set/G/805.png

inflating: Dataset/training_set/G/806.png

inflating: Dataset/training_set/G/807.png

inflating: Dataset/training_set/G/808.png

inflating: Dataset/training_set/G/809.png

inflating: Dataset/training_set/G/81.png

inflating: Dataset/training_set/G/810.png

inflating: Dataset/training_set/G/811.png

inflating: Dataset/training_set/G/812.png

inflating: Dataset/training_set/G/813.png

inflating: Dataset/training_set/G/814.png

inflating: Dataset/training_set/G/815.png

inflating: Dataset/training_set/G/816.png

inflating: Dataset/training_set/G/817.png

inflating: Dataset/training_set/G/818.png

inflating: Dataset/training_set/G/819.png

inflating: Dataset/training_set/G/82.png

inflating: Dataset/training_set/G/820.png

inflating: Dataset/training_set/G/821.png

inflating: Dataset/training_set/G/822.png

inflating: Dataset/training_set/G/823.png

inflating: Dataset/training_set/G/824.png

inflating: Dataset/training_set/G/825.png

inflating: Dataset/training_set/G/826.png

inflating: Dataset/training_set/G/827.png

inflating: Dataset/training_set/G/828.png

inflating: Dataset/training_set/G/829.png

inflating: Dataset/training_set/G/83.png

inflating: Dataset/training_set/G/830.png

inflating: Dataset/training_set/G/831.png

inflating: Dataset/training_set/G/832.png

inflating: Dataset/training_set/G/833.png

inflating: Dataset/training_set/G/834.png

inflating: Dataset/training_set/G/835.png

inflating: Dataset/training_set/G/836.png

inflating: Dataset/training_set/G/837.png

inflating: Dataset/training_set/G/838.png

extracting: Dataset/training_set/G/839.png

inflating: Dataset/training_set/G/84.png

inflating: Dataset/training_set/G/840.png

inflating: Dataset/training_set/G/841.png

inflating: Dataset/training_set/G/842.png

inflating: Dataset/training_set/G/843.png

inflating: Dataset/training_set/G/844.png

extracting: Dataset/training_set/G/845.png

inflating: Dataset/training_set/G/846.png

inflating: Dataset/training_set/G/847.png

inflating: Dataset/training_set/G/848.png

inflating: Dataset/training_set/G/849.png

inflating: Dataset/training_set/G/85.png

inflating: Dataset/training_set/G/850.png

extracting: Dataset/training_set/G/851.png

inflating: Dataset/training_set/G/852.png

extracting: Dataset/training_set/G/853.png

inflating: Dataset/training_set/G/854.png

inflating: Dataset/training_set/G/855.png

inflating: Dataset/training_set/G/856.png

inflating: Dataset/training_set/G/857.png

inflating: Dataset/training_set/G/858.png

inflating: Dataset/training_set/G/859.png

inflating: Dataset/training_set/G/86.png

inflating: Dataset/training_set/G/860.png

inflating: Dataset/training_set/G/861.png

inflating: Dataset/training_set/G/862.png

inflating: Dataset/training_set/G/863.png

inflating: Dataset/training_set/G/864.png

inflating: Dataset/training_set/G/865.png

inflating: Dataset/training_set/G/866.png

inflating: Dataset/training_set/G/867.png

inflating: Dataset/training_set/G/868.png

inflating: Dataset/training_set/G/869.png

inflating: Dataset/training_set/G/87.png

inflating: Dataset/training_set/G/870.png

inflating: Dataset/training_set/G/871.png

inflating: Dataset/training_set/G/872.png

inflating: Dataset/training_set/G/873.png

inflating: Dataset/training_set/G/874.png

inflating: Dataset/training_set/G/875.png

inflating: Dataset/training_set/G/876.png

inflating: Dataset/training_set/G/877.png

inflating: Dataset/training_set/G/878.png

inflating: Dataset/training_set/G/879.png

inflating: Dataset/training_set/G/88.png

inflating: Dataset/training_set/G/880.png

inflating: Dataset/training_set/G/881.png

inflating: Dataset/training_set/G/882.png

inflating: Dataset/training_set/G/883.png

inflating: Dataset/training_set/G/884.png

inflating: Dataset/training_set/G/885.png

inflating: Dataset/training_set/G/886.png

inflating: Dataset/training_set/G/887.png

inflating: Dataset/training_set/G/888.png

inflating: Dataset/training_set/G/889.png

inflating: Dataset/training_set/G/89.png

inflating: Dataset/training_set/G/890.png

inflating: Dataset/training_set/G/891.png

inflating: Dataset/training_set/G/892.png

inflating: Dataset/training_set/G/893.png

inflating: Dataset/training_set/G/894.png

inflating: Dataset/training_set/G/895.png

inflating: Dataset/training_set/G/896.png

inflating: Dataset/training_set/G/897.png

inflating: Dataset/training_set/G/898.png

inflating: Dataset/training_set/G/899.png

inflating: Dataset/training_set/G/9.png

inflating: Dataset/training_set/G/90.png

inflating: Dataset/training_set/G/900.png

inflating: Dataset/training_set/G/901.png

inflating: Dataset/training_set/G/902.png

inflating: Dataset/training_set/G/903.png

inflating: Dataset/training_set/G/904.png

inflating: Dataset/training_set/G/905.png

inflating: Dataset/training_set/G/906.png

inflating: Dataset/training_set/G/907.png

inflating: Dataset/training_set/G/908.png

inflating: Dataset/training_set/G/909.png

inflating: Dataset/training_set/G/91.png

inflating: Dataset/training_set/G/910.png

inflating: Dataset/training_set/G/911.png

inflating: Dataset/training_set/G/912.png

inflating: Dataset/training_set/G/913.png

inflating: Dataset/training_set/G/914.png

inflating: Dataset/training_set/G/915.png

inflating: Dataset/training_set/G/916.png

inflating: Dataset/training_set/G/917.png

inflating: Dataset/training_set/G/918.png

inflating: Dataset/training_set/G/919.png

inflating: Dataset/training_set/G/92.png

inflating: Dataset/training_set/G/920.png

inflating: Dataset/training_set/G/921.png

inflating: Dataset/training_set/G/922.png

inflating: Dataset/training_set/G/923.png

inflating: Dataset/training_set/G/924.png

inflating: Dataset/training_set/G/925.png

inflating: Dataset/training_set/G/926.png

inflating: Dataset/training_set/G/927.png

inflating: Dataset/training_set/G/928.png

inflating: Dataset/training_set/G/929.png

inflating: Dataset/training_set/G/93.png

inflating: Dataset/training_set/G/930.png

inflating: Dataset/training_set/G/931.png

inflating: Dataset/training_set/G/932.png

inflating: Dataset/training_set/G/933.png

inflating: Dataset/training_set/G/934.png

inflating: Dataset/training_set/G/935.png

inflating: Dataset/training_set/G/936.png

inflating: Dataset/training_set/G/937.png

inflating: Dataset/training_set/G/938.png

inflating: Dataset/training_set/G/939.png

inflating: Dataset/training_set/G/94.png

inflating: Dataset/training_set/G/940.png

inflating: Dataset/training_set/G/941.png

inflating: Dataset/training_set/G/942.png

inflating: Dataset/training_set/G/943.png

inflating: Dataset/training_set/G/944.png

inflating: Dataset/training_set/G/945.png

inflating: Dataset/training_set/G/946.png

inflating: Dataset/training_set/G/947.png

inflating: Dataset/training_set/G/948.png

inflating: Dataset/training_set/G/949.png

inflating: Dataset/training_set/G/95.png

inflating: Dataset/training_set/G/950.png

inflating: Dataset/training_set/G/951.png

inflating: Dataset/training_set/G/952.png

inflating: Dataset/training_set/G/953.png

inflating: Dataset/training_set/G/954.png

inflating: Dataset/training_set/G/955.png

inflating: Dataset/training_set/G/956.png

inflating: Dataset/training_set/G/957.png

inflating: Dataset/training_set/G/958.png

inflating: Dataset/training_set/G/959.png

inflating: Dataset/training_set/G/96.png

inflating: Dataset/training_set/G/960.png

inflating: Dataset/training_set/G/961.png

inflating: Dataset/training_set/G/962.png

inflating: Dataset/training_set/G/963.png

inflating: Dataset/training_set/G/964.png

inflating: Dataset/training_set/G/965.png

inflating: Dataset/training_set/G/966.png

inflating: Dataset/training_set/G/967.png

inflating: Dataset/training_set/G/968.png

inflating: Dataset/training_set/G/969.png

inflating: Dataset/training_set/G/97.png

inflating: Dataset/training_set/G/970.png

inflating: Dataset/training_set/G/971.png

inflating: Dataset/training_set/G/972.png

inflating: Dataset/training_set/G/973.png

inflating: Dataset/training_set/G/974.png

inflating: Dataset/training_set/G/975.png

inflating: Dataset/training_set/G/976.png

inflating: Dataset/training_set/G/977.png

inflating: Dataset/training_set/G/978.png

inflating: Dataset/training_set/G/979.png

inflating: Dataset/training_set/G/98.png

inflating: Dataset/training_set/G/980.png

inflating: Dataset/training_set/G/981.png

inflating: Dataset/training_set/G/982.png

inflating: Dataset/training_set/G/983.png

inflating: Dataset/training_set/G/984.png

inflating: Dataset/training_set/G/985.png

inflating: Dataset/training_set/G/986.png

inflating: Dataset/training_set/G/987.png

inflating: Dataset/training_set/G/988.png

inflating: Dataset/training_set/G/989.png

inflating: Dataset/training_set/G/99.png

inflating: Dataset/training_set/G/990.png

inflating: Dataset/training_set/G/991.png

inflating: Dataset/training_set/G/992.png

inflating: Dataset/training_set/G/993.png

inflating: Dataset/training_set/G/994.png

inflating: Dataset/training_set/G/995.png

inflating: Dataset/training_set/G/996.png

inflating: Dataset/training_set/G/997.png

inflating: Dataset/training_set/G/998.png

inflating: Dataset/training_set/G/999.png

creating: Dataset/training_set/H/ inflating:

Dataset/training_set/H/1.png inflating:

Dataset/training_set/H/10.png inflating:

Dataset/training_set/H/100.png

inflating: Dataset/training_set/H/1000.png

inflating: Dataset/training_set/H/1001.png

inflating: Dataset/training_set/H/1002.png

inflating: Dataset/training_set/H/1003.png

inflating: Dataset/training_set/H/1004.png

inflating: Dataset/training_set/H/1005.png

inflating: Dataset/training_set/H/1006.png

inflating: Dataset/training_set/H/1007.png

inflating: Dataset/training_set/H/1008.png

inflating: Dataset/training_set/H/1009.png

inflating: Dataset/training_set/H/101.png

inflating: Dataset/training_set/H/1010.png

inflating: Dataset/training_set/H/1011.png

inflating: Dataset/training_set/H/1012.png

inflating: Dataset/training_set/H/1013.png

inflating: Dataset/training_set/H/1014.png

inflating: Dataset/training_set/H/1015.png

inflating: Dataset/training_set/H/1016.png

```
inflating: Dataset/training_set/H/1017.png

inflating: Dataset/training_set/H/1018.png

inflating: Dataset/training_set/H/1019.png

inflating: Dataset/training_set/H/102.png

inflating: Dataset/training_set/H/1020.png

inflating: Dataset/training_set/H/1021.png

inflating: Dataset/training_set/H/1022.png

inflating: Dataset/training_set/H/1023.png

inflating: Dataset/training_set/H/1024.png

inflating: Dataset/training_set/H/1025.png

inflating: Dataset/training_set/H/1026.png

inflating: Dataset/training_set/H/1027.png

inflating: Dataset/training_set/H/1028.png

inflating: Dataset/training_set/H/1029.png

inflating: Dataset/training_set/H/103.png

inflating: Dataset/training_set/H/1030.png

inflating: Dataset/training_set/H/1031.png

inflating: Dataset/training_set/H/1032.png

inflating: Dataset/training_set/H/1033.png

inflating: Dataset/training_set/H/1034.png

inflating: Dataset/training_set/H/1035.png

inflating: Dataset/training_set/H/1036.png

inflating: Dataset/training_set/H/1037.png

inflating: Dataset/training_set/H/1038.png

inflating: Dataset/training_set/H/1039.png
```

inflating: Dataset/training_set/H/104.png

inflating: Dataset/training_set/H/1040.png

inflating: Dataset/training_set/H/1041.png

inflating: Dataset/training_set/H/1042.png

inflating: Dataset/training_set/H/1043.png

inflating: Dataset/training_set/H/1044.png

inflating: Dataset/training_set/H/1045.png

inflating: Dataset/training_set/H/1046.png

inflating: Dataset/training_set/H/1047.png

inflating: Dataset/training_set/H/1048.png

inflating: Dataset/training_set/H/1049.png

inflating: Dataset/training_set/H/105.png

inflating: Dataset/training_set/H/1050.png

inflating: Dataset/training_set/H/1051.png

inflating: Dataset/training_set/H/1052.png

extracting: Dataset/training_set/H/1053.png

inflating: Dataset/training_set/H/1054.png

inflating: Dataset/training_set/H/1055.png

inflating: Dataset/training_set/H/1056.png

inflating: Dataset/training_set/H/1057.png

extracting: Dataset/training_set/H/1058.png

inflating: Dataset/training_set/H/1059.png

inflating: Dataset/training_set/H/106.png

inflating: Dataset/training_set/H/1060.png

inflating: Dataset/training_set/H/1061.png

inflating: Dataset/training_set/H/1062.png

inflating: Dataset/training_set/H/1063.png

inflating: Dataset/training_set/H/1064.png

inflating: Dataset/training_set/H/1065.png

inflating: Dataset/training_set/H/1066.png

inflating: Dataset/training_set/H/1067.png

inflating: Dataset/training_set/H/1068.png

inflating: Dataset/training_set/H/1069.png

inflating: Dataset/training_set/H/107.png

inflating: Dataset/training_set/H/1070.png

inflating: Dataset/training_set/H/1071.png

inflating: Dataset/training_set/H/1072.png

inflating: Dataset/training_set/H/1073.png

inflating: Dataset/training_set/H/1074.png

inflating: Dataset/training_set/H/1075.png

inflating: Dataset/training_set/H/1076.png

inflating: Dataset/training_set/H/1077.png

inflating: Dataset/training_set/H/1078.png

inflating: Dataset/training_set/H/1079.png

inflating: Dataset/training_set/H/108.png

inflating: Dataset/training_set/H/1080.png

inflating: Dataset/training_set/H/1081.png

inflating: Dataset/training_set/H/1082.png

inflating: Dataset/training_set/H/1083.png

inflating: Dataset/training_set/H/1084.png

inflating: Dataset/training_set/H/1085.png

inflating: Dataset/training_set/H/1086.png

inflating: Dataset/training_set/H/1087.png

inflating: Dataset/training_set/H/1088.png

inflating: Dataset/training_set/H/1089.png

inflating: Dataset/training_set/H/109.png

inflating: Dataset/training_set/H/1090.png

inflating: Dataset/training_set/H/1091.png

inflating: Dataset/training_set/H/1092.png

inflating: Dataset/training_set/H/1093.png

inflating: Dataset/training_set/H/1094.png

inflating: Dataset/training_set/H/1095.png

inflating: Dataset/training_set/H/1096.png

inflating: Dataset/training_set/H/1097.png

extracting: Dataset/training_set/H/1098.png

inflating: Dataset/training_set/H/1099.png

inflating: Dataset/training_set/H/11.png

inflating: Dataset/training_set/H/110.png

inflating: Dataset/training_set/H/1100.png

inflating: Dataset/training_set/H/1101.png

inflating: Dataset/training_set/H/1102.png

inflating: Dataset/training_set/H/1103.png

inflating: Dataset/training_set/H/1104.png

inflating: Dataset/training_set/H/1105.png

inflating: Dataset/training_set/H/1106.png

inflating: Dataset/training_set/H/1107.png

inflating: Dataset/training_set/H/1108.png

inflating: Dataset/training_set/H/1109.png

inflating: Dataset/training_set/H/111.png

inflating: Dataset/training_set/H/1110.png

inflating: Dataset/training_set/H/1111.png

inflating: Dataset/training_set/H/1112.png

inflating: Dataset/training_set/H/1113.png

inflating: Dataset/training_set/H/1114.png

inflating: Dataset/training_set/H/1115.png

inflating: Dataset/training_set/H/1116.png

inflating: Dataset/training_set/H/1117.png

inflating: Dataset/training_set/H/1118.png

inflating: Dataset/training_set/H/1119.png

inflating: Dataset/training_set/H/112.png

inflating: Dataset/training_set/H/1120.png

inflating: Dataset/training_set/H/1121.png

extracting: Dataset/training_set/H/1122.png

inflating: Dataset/training_set/H/1123.png

inflating: Dataset/training_set/H/1124.png

inflating: Dataset/training_set/H/1125.png

extracting: Dataset/training_set/H/1126.png

inflating: Dataset/training_set/H/1127.png

extracting: Dataset/training_set/H/1128.png

inflating: Dataset/training_set/H/1129.png

inflating: Dataset/training_set/H/113.png

inflating: Dataset/training_set/H/1130.png

inflating: Dataset/training_set/H/1131.png

inflating: Dataset/training_set/H/1132.png

inflating: Dataset/training_set/H/1133.png

inflating: Dataset/training_set/H/1134.png

inflating: Dataset/training_set/H/1135.png

inflating: Dataset/training_set/H/1136.png

inflating: Dataset/training_set/H/1137.png

inflating: Dataset/training_set/H/1138.png

inflating: Dataset/training_set/H/1139.png

inflating: Dataset/training_set/H/114.png

inflating: Dataset/training_set/H/1140.png

extracting: Dataset/training_set/H/1141.png

inflating: Dataset/training_set/H/1142.png

extracting: Dataset/training_set/H/1143.png

extracting: Dataset/training_set/H/1144.png

inflating: Dataset/training_set/H/1145.png

inflating: Dataset/training_set/H/1146.png

inflating: Dataset/training_set/H/1147.png

inflating: Dataset/training_set/H/1148.png

inflating: Dataset/training_set/H/1149.png

inflating: Dataset/training_set/H/115.png

inflating: Dataset/training_set/H/1150.png

inflating: Dataset/training_set/H/1151.png

inflating: Dataset/training_set/H/1152.png

inflating: Dataset/training_set/H/1153.png

inflating: Dataset/training_set/H/1154.png

inflating: Dataset/training_set/H/1155.png

inflating: Dataset/training_set/H/1156.png

inflating: Dataset/training_set/H/1157.png

inflating: Dataset/training_set/H/1158.png

inflating: Dataset/training_set/H/1159.png

inflating: Dataset/training_set/H/116.png

inflating: Dataset/training_set/H/1160.png

inflating: Dataset/training_set/H/1161.png

inflating: Dataset/training_set/H/1162.png

inflating: Dataset/training_set/H/1163.png

inflating: Dataset/training_set/H/1164.png

inflating: Dataset/training_set/H/1165.png

extracting: Dataset/training_set/H/1166.png

inflating: Dataset/training_set/H/1167.png

inflating: Dataset/training_set/H/1168.png

inflating: Dataset/training_set/H/1169.png

inflating: Dataset/training_set/H/117.png

inflating: Dataset/training_set/H/1170.png

inflating: Dataset/training_set/H/1171.png

inflating: Dataset/training_set/H/1172.png

inflating: Dataset/training_set/H/1173.png

inflating: Dataset/training_set/H/1174.png

inflating: Dataset/training_set/H/1175.png

inflating: Dataset/training_set/H/1176.png

inflating: Dataset/training_set/H/1177.png

inflating: Dataset/training_set/H/1178.png

inflating: Dataset/training_set/H/1179.png

inflating: Dataset/training_set/H/118.png

inflating: Dataset/training_set/H/1180.png

inflating: Dataset/training_set/H/1181.png

inflating: Dataset/training_set/H/1182.png

inflating: Dataset/training_set/H/1183.png

inflating: Dataset/training_set/H/1184.png

inflating: Dataset/training_set/H/1185.png

inflating: Dataset/training_set/H/1186.png

inflating: Dataset/training_set/H/1187.png

inflating: Dataset/training_set/H/1188.png

inflating: Dataset/training_set/H/1189.png

inflating: Dataset/training_set/H/119.png

inflating: Dataset/training_set/H/1190.png

inflating: Dataset/training_set/H/1191.png

extracting: Dataset/training_set/H/1192.png

inflating: Dataset/training_set/H/1193.png

inflating: Dataset/training_set/H/1194.png

inflating: Dataset/training_set/H/1195.png

inflating: Dataset/training_set/H/1196.png

inflating: Dataset/training_set/H/1197.png

inflating: Dataset/training_set/H/1198.png

 inflating: Dataset/training_set/H/1199.png

inflating: Dataset/training_set/H/12.png

inflating: Dataset/training_set/H/120.png

extracting: Dataset/training_set/H/1200.png

inflating: Dataset/training_set/H/1201.png

inflating: Dataset/training_set/H/1202.png

extracting: Dataset/training_set/H/1203.png

extracting: Dataset/training_set/H/1204.png

inflating: Dataset/training_set/H/1205.png

inflating: Dataset/training_set/H/1206.png

extracting: Dataset/training_set/H/1207.png

inflating: Dataset/training_set/H/1208.png

inflating: Dataset/training_set/H/1209.png

inflating: Dataset/training_set/H/121.png

inflating: Dataset/training_set/H/1210.png

inflating: Dataset/training_set/H/1211.png

inflating: Dataset/training_set/H/1212.png

inflating: Dataset/training_set/H/1213.png

inflating: Dataset/training_set/H/1214.png

inflating: Dataset/training_set/H/1215.png

inflating: Dataset/training_set/H/1216.png

extracting: Dataset/training_set/H/1217.png

inflating: Dataset/training_set/H/1218.png

inflating: Dataset/training_set/H/1219.png

```
inflating: Dataset/training_set/H/122.png

inflating: Dataset/training_set/H/1220.png

inflating: Dataset/training_set/H/1221.png

inflating: Dataset/training_set/H/1222.png

inflating: Dataset/training_set/H/1223.png

inflating: Dataset/training_set/H/1224.png

inflating: Dataset/training_set/H/1225.png

inflating: Dataset/training_set/H/1226.png

inflating: Dataset/training_set/H/1227.png

inflating: Dataset/training_set/H/1228.png

inflating: Dataset/training_set/H/1229.png

inflating: Dataset/training_set/H/123.png

inflating: Dataset/training_set/H/1230.png

inflating: Dataset/training_set/H/1231.png

inflating: Dataset/training_set/H/1232.png

inflating: Dataset/training_set/H/1233.png

inflating: Dataset/training_set/H/1234.png

inflating: Dataset/training_set/H/1235.png

inflating: Dataset/training_set/H/1236.png

inflating: Dataset/training_set/H/1237.png

inflating: Dataset/training_set/H/1238.png

inflating: Dataset/training_set/H/1239.png

inflating: Dataset/training_set/H/124.png

inflating: Dataset/training_set/H/1240.png

inflating: Dataset/training_set/H/1241.png
```

inflating: Dataset/training_set/H/1242.png

inflating: Dataset/training_set/H/1243.png

inflating: Dataset/training_set/H/1244.png

inflating: Dataset/training_set/H/1245.png

inflating: Dataset/training_set/H/1246.png

inflating: Dataset/training_set/H/1247.png

inflating: Dataset/training_set/H/1248.png

inflating: Dataset/training_set/H/1249.png

inflating: Dataset/training_set/H/125.png

extracting: Dataset/training_set/H/1250.png

inflating: Dataset/training_set/H/1251.png

inflating: Dataset/training_set/H/1252.png

inflating: Dataset/training_set/H/1253.png

inflating: Dataset/training_set/H/1254.png

inflating: Dataset/training_set/H/1255.png

inflating: Dataset/training_set/H/1256.png

inflating: Dataset/training_set/H/1257.png

inflating: Dataset/training_set/H/1258.png

inflating: Dataset/training_set/H/1259.png

inflating: Dataset/training_set/H/126.png

inflating: Dataset/training_set/H/1260.png

inflating: Dataset/training_set/H/1261.png

inflating: Dataset/training_set/H/1262.png

inflating: Dataset/training_set/H/1263.png

inflating: Dataset/training_set/H/1264.png

inflating: Dataset/training_set/H/1265.png

inflating: Dataset/training_set/H/1266.png

inflating: Dataset/training_set/H/1267.png

inflating: Dataset/training_set/H/1268.png

inflating: Dataset/training_set/H/1269.png

inflating: Dataset/training_set/H/127.png

inflating: Dataset/training_set/H/1270.png

inflating: Dataset/training_set/H/1271.png

inflating: Dataset/training_set/H/1272.png

inflating: Dataset/training_set/H/1273.png

inflating: Dataset/training_set/H/1274.png

inflating: Dataset/training_set/H/1275.png

inflating: Dataset/training_set/H/1276.png

extracting: Dataset/training_set/H/1277.png

inflating: Dataset/training_set/H/1278.png

inflating: Dataset/training_set/H/1279.png

inflating: Dataset/training_set/H/128.png

inflating: Dataset/training_set/H/1280.png

inflating: Dataset/training_set/H/1281.png

inflating: Dataset/training_set/H/1282.png

inflating: Dataset/training_set/H/1283.png

inflating: Dataset/training_set/H/1284.png

inflating: Dataset/training_set/H/1285.png

inflating: Dataset/training_set/H/1286.png

inflating: Dataset/training_set/H/1287.png

inflating: Dataset/training_set/H/1288.png

inflating: Dataset/training_set/H/1289.png

inflating: Dataset/training_set/H/129.png

inflating: Dataset/training_set/H/1290.png

inflating: Dataset/training_set/H/1291.png

inflating: Dataset/training_set/H/1292.png

inflating: Dataset/training_set/H/1293.png

inflating: Dataset/training_set/H/1294.png

inflating: Dataset/training_set/H/1295.png

inflating: Dataset/training_set/H/1296.png

inflating: Dataset/training_set/H/1297.png

inflating: Dataset/training_set/H/1298.png

inflating: Dataset/training_set/H/1299.png

inflating: Dataset/training_set/H/13.png

inflating: Dataset/training_set/H/130.png

inflating: Dataset/training_set/H/1300.png

inflating: Dataset/training_set/H/1301.png

inflating: Dataset/training_set/H/1302.png

inflating: Dataset/training_set/H/1303.png

inflating: Dataset/training_set/H/1304.png

inflating: Dataset/training_set/H/1305.png

inflating: Dataset/training_set/H/1306.png

inflating: Dataset/training_set/H/1307.png

inflating: Dataset/training_set/H/1308.png

inflating: Dataset/training_set/H/1309.png

inflating: Dataset/training_set/H/131.png

inflating: Dataset/training_set/H/1310.png

inflating: Dataset/training_set/H/1311.png

extracting: Dataset/training_set/H/1312.png

inflating: Dataset/training_set/H/1313.png

inflating: Dataset/training_set/H/1314.png

inflating: Dataset/training_set/H/1315.png

inflating: Dataset/training_set/H/1316.png

inflating: Dataset/training_set/H/1317.png

extracting: Dataset/training_set/H/1318.png

inflating: Dataset/training_set/H/1319.png

inflating: Dataset/training_set/H/132.png

extracting: Dataset/training_set/H/1320.png

inflating: Dataset/training_set/H/1321.png

inflating: Dataset/training_set/H/1322.png

inflating: Dataset/training_set/H/1323.png

inflating: Dataset/training_set/H/1324.png

inflating: Dataset/training_set/H/1325.png

inflating: Dataset/training_set/H/1326.png

inflating: Dataset/training_set/H/1327.png

extracting: Dataset/training_set/H/1328.png

inflating: Dataset/training_set/H/1329.png

inflating: Dataset/training_set/H/133.png

inflating: Dataset/training_set/H/1330.png

inflating: Dataset/training_set/H/1331.png

inflating: Dataset/training_set/H/1332.png

inflating: Dataset/training_set/H/1333.png

inflating: Dataset/training_set/H/1334.png

inflating: Dataset/training_set/H/1335.png

inflating: Dataset/training_set/H/1336.png

inflating: Dataset/training_set/H/1337.png

inflating: Dataset/training_set/H/1338.png

inflating: Dataset/training_set/H/1339.png

inflating: Dataset/training_set/H/134.png

inflating: Dataset/training_set/H/1340.png

inflating: Dataset/training_set/H/1341.png

inflating: Dataset/training_set/H/1342.png

inflating: Dataset/training_set/H/1343.png

inflating: Dataset/training_set/H/1344.png

inflating: Dataset/training_set/H/1345.png

inflating: Dataset/training_set/H/1346.png

inflating: Dataset/training_set/H/1347.png

inflating: Dataset/training_set/H/1348.png

extracting: Dataset/training_set/H/1349.png

inflating: Dataset/training_set/H/135.png

inflating: Dataset/training_set/H/1350.png

inflating: Dataset/training_set/H/1351.png

inflating: Dataset/training_set/H/1352.png

inflating: Dataset/training_set/H/1353.png

inflating: Dataset/training_set/H/1354.png

inflating: Dataset/training_set/H/1355.png

inflating: Dataset/training_set/H/1356.png

inflating: Dataset/training_set/H/1357.png

inflating: Dataset/training_set/H/1358.png

inflating: Dataset/training_set/H/1359.png

inflating: Dataset/training_set/H/136.png

inflating: Dataset/training_set/H/1360.png

inflating: Dataset/training_set/H/1361.png

inflating: Dataset/training_set/H/1362.png

inflating: Dataset/training_set/H/1363.png

inflating: Dataset/training_set/H/1364.png

inflating: Dataset/training_set/H/1365.png

inflating: Dataset/training_set/H/1366.png

inflating: Dataset/training_set/H/1367.png

inflating: Dataset/training_set/H/1368.png

inflating: Dataset/training_set/H/1369.png

inflating: Dataset/training_set/H/137.png

inflating: Dataset/training_set/H/1370.png

inflating: Dataset/training_set/H/1371.png

inflating: Dataset/training_set/H/1372.png

inflating: Dataset/training_set/H/1373.png

inflating: Dataset/training_set/H/1374.png

inflating: Dataset/training_set/H/1375.png

inflating: Dataset/training_set/H/1376.png

extracting: Dataset/training_set/H/1377.png

inflating: Dataset/training_set/H/1378.png

extracting: Dataset/training_set/H/1379.png

inflating: Dataset/training_set/H/138.png

inflating: Dataset/training_set/H/1380.png

inflating: Dataset/training_set/H/1381.png

extracting: Dataset/training_set/H/1382.png

inflating: Dataset/training_set/H/1383.png

extracting: Dataset/training_set/H/1384.png

inflating: Dataset/training_set/H/1385.png

inflating: Dataset/training_set/H/1386.png

inflating: Dataset/training_set/H/1387.png

inflating: Dataset/training_set/H/1388.png

inflating: Dataset/training_set/H/1389.png

inflating: Dataset/training_set/H/139.png

inflating: Dataset/training_set/H/1390.png

inflating: Dataset/training_set/H/1391.png

inflating: Dataset/training_set/H/1392.png

inflating: Dataset/training_set/H/1393.png

extracting: Dataset/training_set/H/1394.png

inflating: Dataset/training_set/H/1395.png

inflating: Dataset/training_set/H/1396.png

inflating: Dataset/training_set/H/1397.png

inflating: Dataset/training_set/H/1398.png

inflating: Dataset/training_set/H/1399.png

inflating: Dataset/training_set/H/14.png

inflating: Dataset/training_set/H/140.png

extracting: Dataset/training_set/H/1400.png

inflating: Dataset/training_set/H/1401.png

inflating: Dataset/training_set/H/1402.png

inflating: Dataset/training_set/H/1403.png

extracting: Dataset/training_set/H/1404.png

inflating: Dataset/training_set/H/1405.png

inflating: Dataset/training_set/H/1406.png

inflating: Dataset/training_set/H/1407.png

inflating: Dataset/training_set/H/1408.png

inflating: Dataset/training_set/H/1409.png

inflating: Dataset/training_set/H/141.png

inflating: Dataset/training_set/H/1410.png

inflating: Dataset/training_set/H/1411.png

inflating: Dataset/training_set/H/1412.png

inflating: Dataset/training_set/H/1413.png

inflating: Dataset/training_set/H/1414.png

inflating: Dataset/training_set/H/1415.png

inflating: Dataset/training_set/H/1416.png

inflating: Dataset/training_set/H/1417.png

inflating: Dataset/training_set/H/1418.png

inflating: Dataset/training_set/H/1419.png

inflating: Dataset/training_set/H/142.png

inflating: Dataset/training_set/H/1420.png

inflating: Dataset/training_set/H/1421.png

inflating: Dataset/training_set/H/1422.png

inflating: Dataset/training_set/H/1423.png

inflating: Dataset/training_set/H/1424.png

inflating: Dataset/training_set/H/1425.png

inflating: Dataset/training_set/H/1426.png

inflating: Dataset/training_set/H/1427.png

inflating: Dataset/training_set/H/1428.png

inflating: Dataset/training_set/H/1429.png

inflating: Dataset/training_set/H/143.png

inflating: Dataset/training_set/H/1430.png

inflating: Dataset/training_set/H/1431.png

inflating: Dataset/training_set/H/1432.png

inflating: Dataset/training_set/H/1433.png

inflating: Dataset/training_set/H/1434.png

inflating: Dataset/training_set/H/1435.png

inflating: Dataset/training_set/H/1436.png

inflating: Dataset/training_set/H/1437.png

inflating: Dataset/training_set/H/1438.png

inflating: Dataset/training_set/H/1439.png

inflating: Dataset/training_set/H/144.png

inflating: Dataset/training_set/H/1440.png

inflating: Dataset/training_set/H/1441.png

inflating: Dataset/training_set/H/1442.png

inflating: Dataset/training_set/H/1443.png

inflating: Dataset/training_set/H/1444.png

inflating: Dataset/training_set/H/1445.png

inflating: Dataset/training_set/H/1446.png

inflating: Dataset/training_set/H/1447.png

inflating: Dataset/training_set/H/1448.png

inflating: Dataset/training_set/H/1449.png

inflating: Dataset/training_set/H/145.png

inflating: Dataset/training_set/H/1450.png

inflating: Dataset/training_set/H/1451.png

inflating: Dataset/training_set/H/1452.png

inflating: Dataset/training_set/H/1453.png

inflating: Dataset/training_set/H/1454.png

inflating: Dataset/training_set/H/1455.png

inflating: Dataset/training_set/H/1456.png

inflating: Dataset/training_set/H/1457.png

inflating: Dataset/training_set/H/1458.png

inflating: Dataset/training_set/H/1459.png

inflating: Dataset/training_set/H/146.png

inflating: Dataset/training_set/H/1460.png

inflating: Dataset/training_set/H/1461.png

inflating: Dataset/training_set/H/1462.png

inflating: Dataset/training_set/H/1463.png

inflating: Dataset/training_set/H/1464.png

inflating: Dataset/training_set/H/1465.png

inflating: Dataset/training_set/H/1466.png

inflating: Dataset/training_set/H/1467.png

inflating: Dataset/training_set/H/1468.png

inflating: Dataset/training_set/H/1469.png

inflating: Dataset/training_set/H/147.png

inflating: Dataset/training_set/H/1470.png

inflating: Dataset/training_set/H/1471.png

inflating: Dataset/training_set/H/1472.png

inflating: Dataset/training_set/H/1473.png

inflating: Dataset/training_set/H/1474.png

inflating: Dataset/training_set/H/1475.png

inflating: Dataset/training_set/H/1476.png

inflating: Dataset/training_set/H/1477.png

extracting: Dataset/training_set/H/1478.png

inflating: Dataset/training_set/H/1479.png

inflating: Dataset/training_set/H/148.png

inflating: Dataset/training_set/H/1480.png

inflating: Dataset/training_set/H/1481.png

inflating: Dataset/training_set/H/1482.png

inflating: Dataset/training_set/H/1483.png

inflating: Dataset/training_set/H/1484.png

inflating: Dataset/training_set/H/1485.png

inflating: Dataset/training_set/H/1486.png

inflating: Dataset/training_set/H/1487.png

inflating: Dataset/training_set/H/1488.png

inflating: Dataset/training_set/H/1489.png

inflating: Dataset/training_set/H/149.png

inflating: Dataset/training_set/H/1490.png

inflating: Dataset/training_set/H/1491.png

inflating: Dataset/training_set/H/1492.png

inflating: Dataset/training_set/H/1493.png

inflating: Dataset/training_set/H/1494.png

inflating: Dataset/training_set/H/1495.png

inflating: Dataset/training_set/H/1496.png

inflating: Dataset/training_set/H/1497.png

inflating: Dataset/training_set/H/1498.png

inflating: Dataset/training_set/H/1499.png

inflating: Dataset/training_set/H/15.png

inflating: Dataset/training_set/H/150.png

inflating: Dataset/training_set/H/1500.png

inflating: Dataset/training_set/H/1501.png

inflating: Dataset/training_set/H/1502.png

inflating: Dataset/training_set/H/1503.png

inflating: Dataset/training_set/H/1504.png

inflating: Dataset/training_set/H/1505.png

inflating: Dataset/training_set/H/1506.pn

Applying ImageDataGenerator to training set


```
x_train=train_datagen.flow_from_directory('/content/Dataset/training_set',target_size=(64,64),batch_size=200,

                              class_mode='categorical',color_mode="grayscale") Found
```

15750 images belonging to 9 classes.

Applying ImageDataGenerator to test set

x_test=test_datagen.flow_from_directory('/content/Dataset/test_set',target_size=(64,64),batch_size=200,

class_mode='categorical',color_mode="grayscale") Found

2250 images belonging to 9 classes.

a=len(x_train)

b=len(x_test)

Length of training set

print(a)

79

Length of test set

print(b)

12

Add Layers

#create model

model=Sequential()

Add The Convolution Layer

model.add(Convolution2D(32,(3,3),input_shape=(64,64,1),activation='relu'))

Add Pooling Layer

model.add(MaxPooling2D(pool_size=(2,2)))

Add The Flatten Layer

```python
model.add(Flatten())
```

```
NameError                    Traceback (most recent call last)
~\AppData\Local\Temp\ipykernel_30084\2564012816.py in
----> 1 model.add(Flatten())


NameError: name 'model' is not defined
```

Adding The Dense Layers

```python
#1st hidden layer
model.add(Dense(units=512,activation='relu'))
#2nd hidden layer
model.add(Dense(units=261,activation='relu'))
#output layer
model.add(Dense(units=9,activation='softmax'))
```

Compile The Model

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

Fit The Model

```python
model.fit_generator(x_train,steps_per_epoch=len(x_train),epochs=10,validation_data=x_test,validation_steps=len(x_test))
```

```
/usr/local/lib/python3.7/dist-packages/ipykernel_launcher.py:1: UserWarning:
`Model.fit_generator` is deprecated and will be removed in a future version. Please use
`Model.fit`, which supports generators. """Entry

 point for launching an IPython kernel.
```

Epoch 1/10

79/79 [==============================] - 90s 1s/step - loss: 0.3965 - accuracy: 0.8746 - val_loss: 0.2797 - val_accuracy: 0.9529

Epoch 2/10

79/79 [==============================] - 86s 1s/step - loss: 0.0419 - accuracy: 0.9884 - val_loss: 0.2846 - val_accuracy: 0.9751

Epoch 3/10

79/79 [==============================] - 84s 1s/step - loss: 0.0195 - accuracy: 0.9947 - val_loss: 0.3436 - val_accuracy: 0.9751

Epoch 4/10

79/79 [==============================] - 87s 1s/step - loss: 0.0083 - accuracy: 0.9982 - val_loss: 0.3722 - val_accuracy: 0.9751

Epoch 5/10

79/79 [==============================] - 83s 1s/step - loss: 0.0066 - accuracy: 0.9983 - val_loss: 0.4095 - val_accuracy: 0.9756

Epoch 6/10

79/79 [==============================] - 88s 1s/step - loss: 0.0072 - accuracy: 0.9979 - val_loss: 0.3874 - val_accuracy: 0.9756

Epoch 7/10

79/79 [==============================] - 86s 1s/step - loss: 0.0059 - accuracy: 0.9985 - val_loss: 0.3891 - val_accuracy: 0.9747

Epoch 8/10

79/79 [==============================] - 86s 1s/step - loss: 0.0027 - accuracy: 0.9992 - val_loss: 0.4429 - val_accuracy: 0.9756

Epoch 9/10

79/79 [==============================] - 84s 1s/step - loss: 0.0073 - accuracy: 0.9981 - val_loss: 0.4907 - val_accuracy: 0.9756

Epoch 10/10

79/79 [==============================] - 85s 1s/step - loss: 0.0048 - accuracy: 0.9987 -

val_loss: 0.4866 - val_accuracy: 0.9702

Save The Model

```
model.save('aslpng2.h5')
```

Import The Packages And Load The Saved Model

```
from tensorflow.keras.models import load_modelimport

numpy as np

import cv2

from tensorflow.keras.preprocessing import image#load

the model

model=load_model('aslpng2.h5') img=image.load_img('/content/Dataset/test_set/A/10.

png',target_size=(400,500)) img
```