C:\Users\MY\Desktop\NLP\_Mini Project>python nlp.py

Using TensorFlow backend.

['0.2', '0.3', '1.4', '1.5', '1.6', '1.7', '10.1', '11.1', '11.2', '2', '2.4.7', '2.6', '2.6.9', '2.7', '2.8', '4.6.10', '4.7', '4.9', '5.11', '6.10', '6.10.1', '6.11', '6.8', '6.9', '7.11', '7.9', '9', '9.1', '9.11', '9.2', 'A1', 'A2', 'A3', 'A4', 'B-2', 'B-3', 'B-4', 'B2', 'B3', 'B4', 'C#2', 'C#3', 'C#4', 'C#5', 'C3', 'C4', 'C5', 'D2', 'D3', 'D4', 'D5', 'E-3', 'E-4', 'E-5', 'E2', 'E3', 'E4', 'E5', 'F#2', 'F#3', 'F#4', 'F#5', 'F2', 'F3', 'F4', 'F5', 'G#2', 'G#3', 'G#4', 'G2', 'G3', 'G4', 'G5']

2020-05-13 12:34:42.206909: I tensorflow/core/platform/cpu\_feature\_guard.cc:142] Your CPU supports instructions that this TensorFlow binary was not compiled to use: AVX2

Model: "sequential\_1"

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Layer (type) Output Shape Param #

=================================================================

lstm\_1 (LSTM) (None, 50, 256) 264192

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dropout\_1 (Dropout) (None, 50, 256) 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

lstm\_2 (LSTM) (None, 256) 525312

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dropout\_2 (Dropout) (None, 256) 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

dense\_1 (Dense) (None, 73) 18761

=================================================================

Total params: 808,265

Trainable params: 808,265

Non-trainable params: 0

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Epoch 1/200

505/505 [==============================] - 5s 10ms/step - loss: 4.2653 - accuracy: 0.0297

Epoch 2/200

505/505 [==============================] - 4s 8ms/step - loss: 4.0914 - accuracy: 0.0614

Epoch 3/200

505/505 [==============================] - 4s 8ms/step - loss: 3.9306 - accuracy: 0.0634

Epoch 4/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8949 - accuracy: 0.0574

Epoch 5/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8952 - accuracy: 0.0574

Epoch 6/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8842 - accuracy: 0.0574

Epoch 7/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8901 - accuracy: 0.0475

Epoch 8/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8731 - accuracy: 0.0594

Epoch 9/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8674 - accuracy: 0.0594

Epoch 10/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8703 - accuracy: 0.0594

Epoch 11/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8798 - accuracy: 0.0515

Epoch 12/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8634 - accuracy: 0.0634

Epoch 13/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8567 - accuracy: 0.0535

Epoch 14/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8571 - accuracy: 0.0554

Epoch 15/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8453 - accuracy: 0.0594

Epoch 16/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8584 - accuracy: 0.0752

Epoch 17/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8425 - accuracy: 0.0634

Epoch 18/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8409 - accuracy: 0.0733

Epoch 19/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8077 - accuracy: 0.0614

Epoch 20/200

505/505 [==============================] - 4s 7ms/step - loss: 3.8276 - accuracy: 0.0752

Epoch 21/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8386 - accuracy: 0.0594

Epoch 22/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8329 - accuracy: 0.0752

Epoch 23/200

505/505 [==============================] - 4s 9ms/step - loss: 3.8209 - accuracy: 0.0634

Epoch 24/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8150 - accuracy: 0.0653

Epoch 25/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8048 - accuracy: 0.0634

Epoch 26/200

505/505 [==============================] - 4s 8ms/step - loss: 3.7946 - accuracy: 0.0772

Epoch 27/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8026 - accuracy: 0.0594

Epoch 28/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7907 - accuracy: 0.0733

Epoch 29/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7655 - accuracy: 0.0634

Epoch 30/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7346 - accuracy: 0.0792

Epoch 31/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7295 - accuracy: 0.0752

Epoch 32/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7045 - accuracy: 0.0832

Epoch 33/200

505/505 [==============================] - 4s 7ms/step - loss: 3.6981 - accuracy: 0.0812

Epoch 34/200

505/505 [==============================] - 4s 7ms/step - loss: 3.6685 - accuracy: 0.0733

Epoch 35/200

505/505 [==============================] - 4s 8ms/step - loss: 3.8100 - accuracy: 0.0554

Epoch 36/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7105 - accuracy: 0.0713

Epoch 37/200

505/505 [==============================] - 4s 8ms/step - loss: 3.7173 - accuracy: 0.0752

Epoch 38/200

505/505 [==============================] - 4s 7ms/step - loss: 3.7018 - accuracy: 0.0693

Epoch 39/200

505/505 [==============================] - 4s 7ms/step - loss: 3.6646 - accuracy: 0.0812

Epoch 40/200

505/505 [==============================] - 4s 7ms/step - loss: 3.6663 - accuracy: 0.0752

Epoch 41/200

505/505 [==============================] - 4s 8ms/step - loss: 3.6154 - accuracy: 0.0851

Epoch 42/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5911 - accuracy: 0.0752

Epoch 43/200

505/505 [==============================] - 4s 8ms/step - loss: 3.6174 - accuracy: 0.0752

Epoch 44/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5762 - accuracy: 0.0871

Epoch 45/200

505/505 [==============================] - 4s 7ms/step - loss: 3.5586 - accuracy: 0.0772

Epoch 46/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5312 - accuracy: 0.1069

Epoch 47/200

505/505 [==============================] - 4s 7ms/step - loss: 3.5558 - accuracy: 0.0891

Epoch 48/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5397 - accuracy: 0.0950

Epoch 49/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5119 - accuracy: 0.0871

Epoch 50/200

505/505 [==============================] - 4s 7ms/step - loss: 3.4749 - accuracy: 0.0871

Epoch 51/200

505/505 [==============================] - 4s 8ms/step - loss: 3.5057 - accuracy: 0.0832

Epoch 52/200

505/505 [==============================] - 4s 7ms/step - loss: 3.4455 - accuracy: 0.0990

Epoch 53/200

505/505 [==============================] - 4s 7ms/step - loss: 3.4319 - accuracy: 0.1089

Epoch 54/200

505/505 [==============================] - 4s 8ms/step - loss: 3.4501 - accuracy: 0.1050

Epoch 55/200

505/505 [==============================] - 4s 8ms/step - loss: 3.4500 - accuracy: 0.0832

Epoch 56/200

505/505 [==============================] - 4s 7ms/step - loss: 3.4002 - accuracy: 0.1050

Epoch 57/200

505/505 [==============================] - 4s 7ms/step - loss: 3.4587 - accuracy: 0.0832

Epoch 58/200

505/505 [==============================] - 4s 8ms/step - loss: 3.4215 - accuracy: 0.1089

Epoch 59/200

505/505 [==============================] - 4s 8ms/step - loss: 3.4154 - accuracy: 0.1010

Epoch 60/200

505/505 [==============================] - 4s 8ms/step - loss: 3.4400 - accuracy: 0.1010

Epoch 61/200

505/505 [==============================] - 4s 7ms/step - loss: 3.3907 - accuracy: 0.1089

Epoch 62/200

505/505 [==============================] - 4s 8ms/step - loss: 3.3414 - accuracy: 0.0970

Epoch 63/200

505/505 [==============================] - 4s 7ms/step - loss: 3.3418 - accuracy: 0.1030

Epoch 64/200

505/505 [==============================] - 4s 7ms/step - loss: 3.3968 - accuracy: 0.1069

Epoch 65/200

505/505 [==============================] - 4s 7ms/step - loss: 3.3302 - accuracy: 0.1168

Epoch 66/200

505/505 [==============================] - 4s 8ms/step - loss: 3.3177 - accuracy: 0.1030

Epoch 67/200

505/505 [==============================] - 4s 7ms/step - loss: 3.2567 - accuracy: 0.1089

Epoch 68/200

505/505 [==============================] - 4s 7ms/step - loss: 3.2567 - accuracy: 0.1129

Epoch 69/200

505/505 [==============================] - 4s 8ms/step - loss: 3.2617 - accuracy: 0.1089

Epoch 70/200

505/505 [==============================] - 4s 7ms/step - loss: 3.2421 - accuracy: 0.1168

Epoch 71/200

505/505 [==============================] - 4s 8ms/step - loss: 3.2451 - accuracy: 0.1149

Epoch 72/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1891 - accuracy: 0.1426

Epoch 73/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1770 - accuracy: 0.1267

Epoch 74/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1181 - accuracy: 0.1248

Epoch 75/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1442 - accuracy: 0.1228

Epoch 76/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1164 - accuracy: 0.1208

Epoch 77/200

505/505 [==============================] - 4s 8ms/step - loss: 3.0789 - accuracy: 0.1426

Epoch 78/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1104 - accuracy: 0.1307

Epoch 79/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1235 - accuracy: 0.1188

Epoch 80/200

505/505 [==============================] - 4s 8ms/step - loss: 3.1141 - accuracy: 0.1228

Epoch 81/200

505/505 [==============================] - 4s 8ms/step - loss: 2.9948 - accuracy: 0.1564

Epoch 82/200

505/505 [==============================] - 4s 8ms/step - loss: 2.9758 - accuracy: 0.1584

Epoch 83/200

505/505 [==============================] - 4s 8ms/step - loss: 3.0292 - accuracy: 0.1545

Epoch 84/200

505/505 [==============================] - 4s 8ms/step - loss: 2.9570 - accuracy: 0.1366

Epoch 85/200

505/505 [==============================] - 4s 8ms/step - loss: 2.9285 - accuracy: 0.1505

Epoch 86/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8931 - accuracy: 0.1782

Epoch 87/200

505/505 [==============================] - 4s 7ms/step - loss: 2.8454 - accuracy: 0.1743

Epoch 88/200

505/505 [==============================] - 4s 7ms/step - loss: 2.8299 - accuracy: 0.1644

Epoch 89/200

505/505 [==============================] - 4s 7ms/step - loss: 2.7958 - accuracy: 0.1762

Epoch 90/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8661 - accuracy: 0.1584

Epoch 91/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8616 - accuracy: 0.1802

Epoch 92/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8194 - accuracy: 0.1881

Epoch 93/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8054 - accuracy: 0.1802

Epoch 94/200

505/505 [==============================] - 4s 8ms/step - loss: 2.7708 - accuracy: 0.1703

Epoch 95/200

505/505 [==============================] - 4s 8ms/step - loss: 2.8243 - accuracy: 0.1723

Epoch 96/200

505/505 [==============================] - 4s 8ms/step - loss: 2.7079 - accuracy: 0.2119

Epoch 97/200

505/505 [==============================] - 4s 8ms/step - loss: 2.6502 - accuracy: 0.2000

Epoch 98/200

505/505 [==============================] - 4s 8ms/step - loss: 2.6183 - accuracy: 0.2218

Epoch 99/200

505/505 [==============================] - 4s 8ms/step - loss: 2.6349 - accuracy: 0.2020

Epoch 100/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5829 - accuracy: 0.2198

Epoch 101/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5562 - accuracy: 0.2475

Epoch 102/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5743 - accuracy: 0.2119

Epoch 103/200

505/505 [==============================] - 4s 8ms/step - loss: 2.6222 - accuracy: 0.2218

Epoch 104/200

505/505 [==============================] - 4s 8ms/step - loss: 2.6530 - accuracy: 0.1960

Epoch 105/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5924 - accuracy: 0.2040

Epoch 106/200

505/505 [==============================] - 4s 8ms/step - loss: 2.4985 - accuracy: 0.2178

Epoch 107/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5509 - accuracy: 0.2059

Epoch 108/200

505/505 [==============================] - 4s 8ms/step - loss: 2.5224 - accuracy: 0.2277

Epoch 109/200

505/505 [==============================] - 4s 8ms/step - loss: 2.4735 - accuracy: 0.2297

Epoch 110/200

505/505 [==============================] - 4s 8ms/step - loss: 2.4307 - accuracy: 0.2455

Epoch 111/200

505/505 [==============================] - 4s 8ms/step - loss: 2.4278 - accuracy: 0.2436

Epoch 112/200

505/505 [==============================] - 4s 8ms/step - loss: 2.4457 - accuracy: 0.2218

Epoch 113/200

505/505 [==============================] - 4s 8ms/step - loss: 2.3662 - accuracy: 0.2812

Epoch 114/200

505/505 [==============================] - 4s 8ms/step - loss: 2.3159 - accuracy: 0.2337

Epoch 115/200

505/505 [==============================] - 4s 8ms/step - loss: 2.3530 - accuracy: 0.2475

Epoch 116/200

505/505 [==============================] - 4s 8ms/step - loss: 2.3108 - accuracy: 0.2594

Epoch 117/200

505/505 [==============================] - 4s 8ms/step - loss: 2.2591 - accuracy: 0.2733

Epoch 118/200

505/505 [==============================] - 4s 8ms/step - loss: 2.2422 - accuracy: 0.2832

Epoch 119/200

505/505 [==============================] - 4s 8ms/step - loss: 2.2204 - accuracy: 0.3050

Epoch 120/200

505/505 [==============================] - 4s 9ms/step - loss: 2.2345 - accuracy: 0.2851

Epoch 121/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1428 - accuracy: 0.2891

Epoch 122/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1255 - accuracy: 0.3188

Epoch 123/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1681 - accuracy: 0.2812

Epoch 124/200

505/505 [==============================] - 4s 8ms/step - loss: 2.2060 - accuracy: 0.2871

Epoch 125/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1199 - accuracy: 0.3030

Epoch 126/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1100 - accuracy: 0.3149

Epoch 127/200

505/505 [==============================] - 4s 8ms/step - loss: 2.0814 - accuracy: 0.3030

Epoch 128/200

505/505 [==============================] - 4s 8ms/step - loss: 2.1084 - accuracy: 0.3030

Epoch 129/200

505/505 [==============================] - 4s 8ms/step - loss: 2.0685 - accuracy: 0.2990

Epoch 130/200

505/505 [==============================] - 4s 8ms/step - loss: 2.0414 - accuracy: 0.3248

Epoch 131/200

505/505 [==============================] - 4s 8ms/step - loss: 2.0187 - accuracy: 0.2990

Epoch 132/200

505/505 [==============================] - 4s 8ms/step - loss: 1.9857 - accuracy: 0.3386

Epoch 133/200

505/505 [==============================] - 4s 8ms/step - loss: 1.9106 - accuracy: 0.3485

Epoch 134/200

505/505 [==============================] - 4s 8ms/step - loss: 1.9422 - accuracy: 0.3545

Epoch 135/200

505/505 [==============================] - 4s 7ms/step - loss: 1.8969 - accuracy: 0.3802

Epoch 136/200

505/505 [==============================] - 4s 8ms/step - loss: 1.9004 - accuracy: 0.3406

Epoch 137/200

505/505 [==============================] - 4s 8ms/step - loss: 1.8354 - accuracy: 0.3802

Epoch 138/200

505/505 [==============================] - 4s 8ms/step - loss: 1.8672 - accuracy: 0.3644

Epoch 139/200

505/505 [==============================] - 4s 8ms/step - loss: 2.0352 - accuracy: 0.3069

Epoch 140/200

505/505 [==============================] - 4s 8ms/step - loss: 1.8887 - accuracy: 0.3366

Epoch 141/200

505/505 [==============================] - 4s 8ms/step - loss: 1.8423 - accuracy: 0.3683

Epoch 142/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7981 - accuracy: 0.3683

Epoch 143/200

505/505 [==============================] - 4s 8ms/step - loss: 1.8316 - accuracy: 0.3564

Epoch 144/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7864 - accuracy: 0.4000

Epoch 145/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7443 - accuracy: 0.3822

Epoch 146/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7328 - accuracy: 0.4119

Epoch 147/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6989 - accuracy: 0.4119

Epoch 148/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6559 - accuracy: 0.4198

Epoch 149/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6381 - accuracy: 0.4238

Epoch 150/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6438 - accuracy: 0.4554

Epoch 151/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6379 - accuracy: 0.4396

Epoch 152/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6143 - accuracy: 0.4337

Epoch 153/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6432 - accuracy: 0.4000

Epoch 154/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6222 - accuracy: 0.4059

Epoch 155/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6076 - accuracy: 0.4673

Epoch 156/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7131 - accuracy: 0.4059

Epoch 157/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7341 - accuracy: 0.3683

Epoch 158/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7372 - accuracy: 0.3842

Epoch 159/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6890 - accuracy: 0.4000

Epoch 160/200

505/505 [==============================] - 4s 8ms/step - loss: 1.7492 - accuracy: 0.3921

Epoch 161/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6933 - accuracy: 0.3762

Epoch 162/200

505/505 [==============================] - 4s 8ms/step - loss: 1.5871 - accuracy: 0.4515

Epoch 163/200

505/505 [==============================] - 4s 8ms/step - loss: 1.5831 - accuracy: 0.4257

Epoch 164/200

505/505 [==============================] - 4s 8ms/step - loss: 1.5652 - accuracy: 0.4475

Epoch 165/200

505/505 [==============================] - 4s 8ms/step - loss: 1.5919 - accuracy: 0.4119

Epoch 166/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4939 - accuracy: 0.4871

Epoch 167/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4946 - accuracy: 0.4554

Epoch 168/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4430 - accuracy: 0.4871

Epoch 169/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4246 - accuracy: 0.5050

Epoch 170/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3886 - accuracy: 0.5287

Epoch 171/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3736 - accuracy: 0.5366

Epoch 172/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3971 - accuracy: 0.5109

Epoch 173/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4106 - accuracy: 0.5030

Epoch 174/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4165 - accuracy: 0.5446

Epoch 175/200

505/505 [==============================] - 4s 8ms/step - loss: 1.5155 - accuracy: 0.4257

Epoch 176/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4479 - accuracy: 0.4812

Epoch 177/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4586 - accuracy: 0.4772

Epoch 178/200

505/505 [==============================] - 5s 9ms/step - loss: 1.3755 - accuracy: 0.5168

Epoch 179/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3571 - accuracy: 0.5327

Epoch 180/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3464 - accuracy: 0.5188

Epoch 181/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3428 - accuracy: 0.4950

Epoch 182/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3334 - accuracy: 0.5129

Epoch 183/200

505/505 [==============================] - 5s 9ms/step - loss: 1.3291 - accuracy: 0.5248

Epoch 184/200

505/505 [==============================] - 5s 9ms/step - loss: 1.3093 - accuracy: 0.5307

Epoch 185/200

505/505 [==============================] - 550s 1s/step - loss: 1.2815 - accuracy: 0.5248

Epoch 186/200

505/505 [==============================] - 5s 11ms/step - loss: 1.2256 - accuracy: 0.5624

Epoch 187/200

505/505 [==============================] - 5s 10ms/step - loss: 1.3183 - accuracy: 0.5168

Epoch 188/200

505/505 [==============================] - 5s 9ms/step - loss: 1.2589 - accuracy: 0.5426

Epoch 189/200

505/505 [==============================] - 5s 10ms/step - loss: 1.2362 - accuracy: 0.5446

Epoch 190/200

505/505 [==============================] - 4s 9ms/step - loss: 1.2744 - accuracy: 0.5505

Epoch 191/200

505/505 [==============================] - 4s 9ms/step - loss: 1.2170 - accuracy: 0.5683

Epoch 192/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3666 - accuracy: 0.5109

Epoch 193/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6854 - accuracy: 0.3861

Epoch 194/200

505/505 [==============================] - 4s 9ms/step - loss: 1.7036 - accuracy: 0.4178

Epoch 195/200

505/505 [==============================] - 4s 8ms/step - loss: 1.6734 - accuracy: 0.4020

Epoch 196/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4468 - accuracy: 0.4475

Epoch 197/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4483 - accuracy: 0.4931

Epoch 198/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3782 - accuracy: 0.4673

Epoch 199/200

505/505 [==============================] - 4s 8ms/step - loss: 1.4005 - accuracy: 0.4911

Epoch 200/200

505/505 [==============================] - 4s 8ms/step - loss: 1.3188 - accuracy: 0.5426

output

['A3', '11.2', '11.2', '11.2', '11.2', '11.2', '11.2', 'G#3', 'G#3', '1.4', '1.4', 'A2', '7.11', '7.11', '11.2', '6.9', '6.9', 'G#3', '9.1', '9.1', '4.7', 'A2', '5.11', '5.11', '6.9', 'G#3', 'A3', '2', '2', 'D4', 'D5', 'D5', 'D5', 'B4', 'B-2', '2.7', 'A4', '5.11', 'D4', 'D4', 'D4', 'D4', 'B2', 'D4', 'G4', 'F#4', 'D4', 'D4', 'D4', 'A4', 'A4', 'G4', 'B2', 'D5', 'G3', 'A4', 'A4', 'C3', 'A4', 'A4', 'A3', 'D4', 'F4', 'C#4', 'D4', 'F#4', 'F#4', 'D3', 'B-4', 'G4', 'B-3', 'D3', 'D3', 'E-3', 'F#4', '1.7', 'F#4', 'F#4', 'E3', 'G3', 'A3', 'A2', 'A2', 'D5', 'D5', 'B4', 'A1', 'A1', 'A1', 'A1', '2.6.9', '2.6.9', '9.2', '9.2', '2.6.9', '11.2', '11.2', '11.2', '11.2', '11.2', 'G#3', 'G#3', 'A3', 'A2', '7.11', '7.11', 'C#3', 'C#3', 'G#3', 'A3', 'A3', 'A3', 'A3', 'A3', 'A3', 'D5', 'D5', 'D5', 'D5', 'D5', 'B4', 'D5', 'D5', 'D5', 'E5', 'E5', 'E5', 'G5', 'B2', 'F2', 'F2', 'B2', 'A4', 'A4', 'B-4', 'C3', 'C3', 'C3', 'C3', 'A4', 'B-4', 'D4', 'D4', 'D4', 'G#4', 'B3', 'B3', 'B4', 'C#4', 'E5']