55 Epoch 10/100

57 Epoch 11/100

59 Epoch 12/100

56

- 41s - loss: 0.0613 - acc: 0.9817

58 - 40s - Ioss: 0.0565 - acc: 0.9826

File - att2 - 38s - loss: 0.0522 - acc: 0.9840 61 Epoch 13/100 0.0489 - acc: 0.9853 63 Epoch 14/100 - 39s - loss: 0.0462 - acc: 0.9860 64 65 Epoch 15/100 66 - 40s - loss: 0.0422 - acc: 0.9870 67 Epoch 16/100 - 39s - loss: 0.0411 - acc: 0.9873 68 69 Epoch 17/100 70 l 71 Epoch 18/100 - 38s - loss: 0.0366 - acc: 0.9888 73 Epoch 19/100 74 - 38s - loss: 0.0347 - acc: 0.9894 75 Epoch 20/100 76 77 Epoch 21/100 78 79 Epoch 22/100 80 Epoch 23/100 81 82 83 Epoch 24/100 84 - 38s - loss: 0.0278 - acc: 0.9914 85 Epoch 25/100 87 Epoch 26/100 89 Epoch 27/100 90 - 39s - loss: 0.0247 - acc: 0.9925 91 Epoch 28/100 - 39s - loss: 0.0234 - acc: 0.9932 92 93 Epoch 29/100 94 95 Epoch 30/100 96 97 Epoch 31/100 98 - 39s - loss: 0.0212 - acc: 0.9936 99 Epoch 32/100 - 39s - loss: 0.0199 - acc: 0.9936 100 101 Epoch 33/100 102 - 39s - Loss: 0.0195 - acc: 0.9940 103 Epoch 34/100 104 - 38s - Ioss: 0.0180 - acc: 0.9946 105 Epoch 35/100 106 - 39s - Loss: 0.0184 - acc: 0.9940 107 Epoch 36/100 108 109 Epoch 37/100 - 39s - loss: 0.0161 - acc: 0.9954 110 111 Epoch 38/100 112 113 Epoch 39/100 114 - 39s - Ioss: 0.0160 - acc: 0.9952 115 Epoch 40/100 116 - 39s - Ioss: 0.0152 - acc: 0.9954 117 Epoch 41/100 118 - 39s - Loss: 0.0152 - acc: 0.9957 119 Epoch 42/100 120 - 39s - loss: 0.0140 - acc: 0.9959

File - att2 121 Epoch 43/100 - 39s - loss: 0.0141 - acc: 0.9961 123 Epoch 44/100 124 125 Epoch 45/100 126 - 39s - Loss: 0.0134 - acc: 0.9961 127 Epoch 46/100 128 - 39s - loss: 0.0129 - acc: 0.9960 129 Epoch 47/100 130 - 39s - Ioss: 0.0117 - acc: 0.9965 131 Epoch 48/100 132 - 39s - Loss: 0.0120 - acc: 0.9966 133 Epoch 49/100 134 - 38s - Ioss: 0.0114 - acc: 0.9967 135 Epoch 50/100 136 - 39s - Loss: 0.0121 - acc: 0.9968 137 Epoch 51/100 138 - 39s - Loss: 0.0115 - acc: 0.9967 139 Epoch 52/100 140 - 39s - Loss: 0.0109 - acc: 0.9969 141 Epoch 53/100 - 39s - loss: 0.0102 - acc: 0.9971 143 Epoch 54/100 144 - 39s - Loss: 0.0099 - acc: 0.9974 145 Epoch 55/100 146 - 39s - Ioss: 0.0105 - acc: 0.9970 147 Epoch 56/100 148 - 39s - Ioss: 0.0104 - acc: 0.9969 149 Epoch 57/100 150 - 38s - loss: 0.0100 - acc: 0.9971 151 Epoch 58/100 152 - 38s - loss: 0.0097 - acc: 0.9972 153 Epoch 59/100 154 - 39s - Loss: 0.0094 - acc: 0.9973 155 Epoch 60/100 156 157 Epoch 61/100 158 159 Epoch 62/100 160 - 39s - Loss: 0.0099 - acc: 0.9972 161 Epoch 63/100 162 - 39s - Loss: 0.0087 - acc: 0.9975 163 Epoch 64/100 164 - 38s - loss: 0.0093 - acc: 0.9974 165 Epoch 65/100 166 - 38s - Loss: 0.0085 - acc: 0.9978 167 Epoch 66/100 168 - 39s - loss: 0.0085 - acc: 0.9976 169 Epoch 67/100 170 - 39s - loss: 0.0071 - acc: 0.9980 171 Epoch 68/100 172 173 Epoch 69/100 174 - 39s - loss: 0.0084 - acc: 0.9977 175 Epoch 70/100 176 - 39s - loss: 0.0071 - acc: 0.9982 177 Epoch 71/100 178 - 39s - loss: 0.0083 - acc: 0.9975 179 Epoch 72/100 180 - 39s - loss: 0.0069 - acc: 0.9981 181 Epoch 73/100

```
File - att2
     - 39s - loss: 0.0080 - acc: 0.9974
183 Epoch 74/100
184 - 39s - Loss:
185 Epoch 75/100
     - 39s - loss: 0.0073 - acc: 0.9980
186
187 Epoch 76/100
188 - 39s - Loss: 0.0075 - acc: 0.9978
189 Epoch 77/100
190 - 40s - loss: 0.0073 - acc: 0.9980
191 Epoch 78/100
192 - 40s - Loss: 0.0066 - acc: 0.9982
193 Epoch 79/100
194 - 40s - Loss: 0.0065 - acc: 0.9983
195 Epoch 80/100
196 - 39s - Loss: 0.0070 - acc: 0.9979
197 Epoch 81/100
198 - 40s - loss: 0.0071 - acc: 0.9978
199 Epoch 82/100
200 - 39s - Loss: 0.0062 - acc: 0.9985
201 Epoch 83/100
203 Epoch 84/100
204 - 40s - Ioss: 0.0065 - acc: 0.9982
205 Epoch 85/100
206 - 40s - loss: 0.0053 - acc: 0.9987
207 Epoch 86/100
208 - 39s - loss: 0.0057 - acc: 0.9986
209 Epoch 87/100
210 - 40s - Loss: 0.0061 - acc: 0.9984
211 Epoch 88/100
212 - 40s - Loss: 0.0058 - acc: 0.9983
213 Epoch 89/100
214 - 40s - Loss: 0.0060 - acc: 0.9982
215 Epoch 90/100
216 - 41s - loss:
217 Epoch 91/100
218 - 40s - Loss: 0.0059 - acc: 0.9985
219 Epoch 92/100
220 - 39s - Loss: 0.0070 - acc: 0.9978
221 Epoch 93/100
222 - 39s - loss: 0.0051 - acc: 0.9987
223 Epoch 94/100
224 - 39s - loss: 0.0057 - acc: 0.9986
225 Epoch 95/100
226 - 39s - loss: 0.0057 - acc: 0.9986
227 Epoch 96/100
228 - 39s - Loss: 0.0066 - acc: 0.9981
229 Epoch 97/100
230 - 39s - loss: 0.0054 - acc: 0.9985
231 Epoch 98/100
232
233 Epoch 99/100
234
235 Epoch 100/100
     - 40s - loss: 0.0044 - acc: 0.9990
236
237 Testing-----
238
239
240
     448/10000 [>.....] - ETA: 5s
241
242
     576/10000 [>
                                             ] - ETA: 5s
```

| File - att2 | | | |
|---------------------------|--------------|--|-----------|
| 243 | 1312/10000 | [==>] - ETA: | 2s |
| 244 | 1568/10000 | [===>] - ETA: | 2s |
| 245 | 1888/10000 | [===>] - ETA: | 2s |
| 246 | 2048/10000 | [====>] - ETA: | 2s |
| 247 | 2400/10000 | [=====>] - ETA: | 2s |
| 248 | 2528/10000 | [=====>] - ETA: | 2s |
| 249 | 2784/10000 | [=====>] - ETA: | 2s |
| 250 | 2880/10000 | [=====>] - ETA: | 2s |
| 251 | 3104/10000 | [======>] - ETA: | 2s |
| 252 | | [======>] - ETA: | 1s |
| 253 | 3520/10000 | [=======>] - ETA: | 1s |
| 254 | 3712/10000 | [=======>] - ETA: | 1s |
| 255 | | [=======>] - ETA: | 1s |
| 256 | | [========>] - ETA: | 1s |
| 257 | | [========>] - ETA: | 1s |
| 258 | | [========>] - ETA: | 1s |
| 259 | | [=========>] - ETA: | 1s |
| 260 | | [=========>] - ETA: | 1s |
| 261 | | [=========>] - ETA: | 1s |
| 262 | | [===================================== | 1s |
| 263 | | [===================================== | 1s |
| 264 | | [===================================== | 1s |
| 265 | | [===================================== | 1s |
| 266 | | [===================================== | 0s |
| 267 268 | | [===================================== | 0s 0s |
| 269 | | [===================================== | 0s 0s |
| 270 | | [===================================== | 0s |
| 271 | | [===================================== | 0s |
| 272 | | [======>] - ETA: | 0s |
| 273 | | [===================================== | 0s |
| 274 | | [======>] - ETA: | 0s |
| 275 | | [======>] - ETA: | 0s |
| 276 | | [======>.] - ETA: | 0s |
| 277 | 10000/10000 | [=======] - 3s 2 | 52us/step |
| 278 | test loss: (| D. 06649568242422683 | |
| 279 test accuracy: 0.9842 | | | |
| 280 | | | |
| 281 | Process fini | shed with exit code 0 | |
| 282 | | | |
| | | | |