## ICP 6

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700#:700761149

## GitHub:

https://github.com/Nagi-131/700761149 ICP6

## Vedio Link:

https://drive.google.com/file/d/1llfT8soAlI0Gh7c\_reykZeD64UvKYvSP/view?usp=drivelink

```
Requirement already satisfied: opt-element-3,3.2 in /mar/local/lib/grython.18/dist-packages (from tensorflow-2,15.8) (3.1.8)

Requirement already satisfied: protoberl 4-21.8, 1-4.21.1, 1-4.21.2, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1-4.21.3, 1
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Epoch 2/2
744/744 - 91s - loss: 0.6657 - accuracy: 0.7185 - 91s/epoch - 122ms/step
724/744 - 91s - loss: 0.8349 - accuracy: 0.6426 - 54s/epoch - 145ms/step
372/372 - 55s - loss: 0.8274 - accuracy: 0.6641 - 55s/epoch - 147ms/step
372/372 - 55s - loss: 0.8271 - accuracy: 0.6461 - 55s/epoch - 147ms/step
372/372 - 51s - loss: 0.8333 - accuracy: 0.618 - 57s/epoch - 138ms/step
272/372 - 57s - loss: 0.8265 - accuracy: 0.6418 - 57s/epoch - 135ms/step
Epoch 127 - 57s - loss: 0.8348 - accuracy: 0.6473 - 54s/epoch - 145ms/step
Epoch 2/2
                                0
                                                                                372/372 - 57s - loss: 0.8285 - accuracy: 0.6418 - 57s/epoch - 153ms/step Epoch 1/2
372/372 - 54s - loss: 0.8348 - accuracy: 0.6473 - 54s/epoch - 145ms/step Epoch 2/2
372/372 - 53s - loss: 0.6786 - accuracy: 0.7147 - 53s/epoch - 141ms/step Epoch 2/2
372/372 - 51s - loss: 0.8221 - accuracy: 0.6481 - 51s/epoch - 136ms/step Epoch 2/2
372/372 - 51s - loss: 0.8822 - accuracy: 0.7132 - 51s/epoch - 136ms/step Epoch 2/2
372/372 - 51s - loss: 0.8826 - accuracy: 0.7132 - 51s/epoch - 136ms/step Epoch 2/2
372/372 - 55s - loss: 0.8315 - accuracy: 0.6387 - 55s/epoch - 147ms/step Epoch 2/2
372/372 - 57s - loss: 0.8815 - accuracy: 0.6387 - 55s/epoch - 144ms/step Epoch 2/2
372/372 - 57s - loss: 0.8280 - accuracy: 0.6397 - 57s/epoch - 152ms/step Epoch 2/2
372/372 - 57s - loss: 0.8709 - accuracy: 0.7130 - 51s/epoch - 138ms/step Epoch 2/2
372/372 - 53s - loss: 0.8381 - accuracy: 0.6385 - 53s/epoch - 144ms/step Epoch 2/2
372/372 - 40s - loss: 0.6746 - accuracy: 0.6385 - 53s/epoch - 144ms/step Epoch 2/2
372/372 - 40s - loss: 0.6746 - accuracy: 0.6316 - 33s/epoch - 137ms/step 186/186 - 33s - loss: 0.8428 - accuracy: 0.6351 - 33s/epoch - 138ms/step 186/186 - 33s - loss: 0.8428 - accuracy: 0.6351 - 33s/epoch - 138ms/step Epoch 2/2
186/186 - 33s - loss: 0.8593 - accuracy: 0.6351 - 33s/epoch - 176ms/step Epoch 2/2
186/186 - 35s - loss: 0.8593 - accuracy: 0.6351 - 33s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8593 - accuracy: 0.6044 - 33s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 2/2
186/186 - 31s - loss: 0.8583 - accuracy: 0.7062 - 31s/epoch - 176ms/step E
                                                Epoch 1/2

372/372 - 575 - 10ss: 0.8280 - accuracy: 0.6397 - 57s/epoch - 152ms/step Epoch 2/2

372/372 - 515 - 10ss: 0.6709 - accuracy: 0.7130 - 51s/epoch - 138ms/step Epoch 1/2

372/372 - 55 - 10ss: 0.6709 - accuracy: 0.7130 - 51s/epoch - 138ms/step Epoch 1/2

372/372 - 55 - 10ss: 0.8381 - accuracy: 0.6385 - 53s/epoch - 144ms/step Epoch 2/2

372/372 - 495 - 10ss: 0.6746 - accuracy: 0.7116 - 49s/epoch - 132ms/step 186/186 - 35 - 10ss: 0.8493 - accuracy: 0.6321 - 33s/epoch - 177ms/step 186/186 - 35 - 10ss: 0.8493 - accuracy: 0.6357 - 35s/epoch - 186ms/step 186/186 - 35 - 10ss: 0.8493 - accuracy: 0.6357 - 35s/epoch - 186ms/step 186/186 - 35 - 10ss: 0.8493 - accuracy: 0.6357 - 35s/epoch - 186ms/step 186/186 - 35 - 10ss: 0.8593 - accuracy: 0.6356 - 35s/epoch - 178ms/step Epoch 1/2

186/186 - 35 - 10ss: 0.8599 - accuracy: 0.6366 - 35s/epoch - 187ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8579 - accuracy: 0.6297 - 35s/epoch - 167ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8357 - accuracy: 0.6404 - 33s/epoch - 176ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8835 - accuracy: 0.6404 - 33s/epoch - 176ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8835 - accuracy: 0.7062 - 31s/epoch - 168ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8835 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 1/2

186/186 - 31s - 10ss: 0.8835 - accuracy: 0.7062 - 31s/epoch - 176ms/step Epoch 1/2
0
                                                        186/186 - 31s - loss: 0.6883 - accuracy: 0.7862 - 31s/epoch - 168ms/step
Epoch 1/2
186/186 - 35s - loss: 0.8452 - accuracy: 0.6321 - 35s/epoch - 187ms/step
Epoch 2/2
186/186 - 30s - loss: 0.6822 - accuracy: 0.7117 - 30s/epoch - 162ms/step
Epoch 1/2
186/186 - 37s - loss: 0.8445 - accuracy: 0.6344 - 37s/epoch - 196ms/step
Epoch 2/2
186/186 - 30s - loss: 0.6826 - accuracy: 0.7861 - 30s/epoch - 164ms/step
Epoch 1/2
                                                            Epoch 1/2
186/186 - 33s - loss: 0.8384 - accuracy: 0.6354 - 33s/epoch - 165ms/step
Epoch 2/2
186/186 - 31s - loss: 0.6760 - accuracy: 0.7176 - 31s/epoch - 165ms/step
Epoch 1/2
233/233 - 45s - loss: 0.8322 - accuracy: 0.6394 - 45s/epoch - 194ms/step
Epoch 2/2
18/233 - 39s - loss: 0.6823 - accuracy: 0.7897 - 39s/epoch - 169ms/step
```

epocn 2/2 233/233 - 39s - loss: 0.6823 - accuracy: 0.7097 - 39s/epoch - 169ms/step Best: 0.678682 using {'batch\_size': 40, 'epochs': 2}