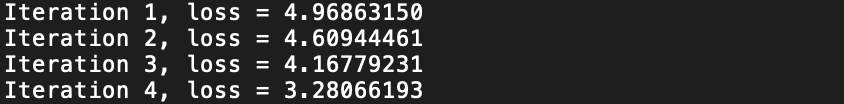
**Results**

After training and testing the network, we get results as below:



.

.

A picture containing qr code

Description automatically generated

.

.

A picture containing text, electronics, keyboard

Description automatically generated

As we see, network stopped training after 180 iterations because loss did not improve more than given threshold for 10 consecutive epochs. All screenshots are taken from **outputs.txt** file which was produced by source code.

**Testing Network**

1. We test network on 7 original positive words. And we that network recognizes all 7/7 correctly. **It had 100% accuracy**
2. We test network on test data which contains 5000 words where approximately 10% is positive words and 90% is negative words. Our network couldn’t recognize only 1 word out of 5000 words which seems fine. **It had 99.98% accuracy**