

```

In [2]: runfile('C:/Users/Nitesh Vudutha/Downloads/Spring Semester/Deep
Learning/Assignments/Assignment 11/DL11A.py', wdir='C:/Users/Nitesh Vudutha/Downloads/Spring
Semester/Deep Learning/Assignments/Assignment 11')
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Anaconda3/lib/site-
packages/tensorflow/python/framework/op_def_library.py:263: colocate_with (from
tensorflow.python.framework.ops) is deprecated and will be removed in a future version.
Instructions for updating:
Colocations handled automatically by placer.
WARNING:tensorflow:From C:/Users/Nitesh Vudutha/Anaconda3/lib/site-
packages/tensorflow/python/ops/array_grad.py:425: to_int32 (from tensorflow.python.ops.math_ops)
is deprecated and will be removed in a future version.
Instructions for updating:
Use tf.cast instead.
Iteration: 0      Average loss at step 0 : 274.9478759765625
Nearest to their: koenigsegg, assigned, stoney, twofold, hazlitt, bye, reverberation, kindling,
Nearest to if: engelbert, biographies, expansionary, satisfy, raps, shaykh, cuauht, protagonists,
Nearest to new: girlfriend, dispensing, clinician, blond, nisibis, alif, concedes, kuleshov,
Nearest to only: then, uphold, doping, sweep, iggy, strained, registers, xlii,
Nearest to i: haliotis, rudolph, acct, peloponnese, topologically, kimberly, everywhere,
undeniable,
Nearest to would: henceforth, philosophy, maranh, cogent, galindo, hypersonic, mescaline, ascend,
Nearest to eight: jumblatt, igor, housemate, liv, rollers, difficult, subconscious, oj,
Nearest to however: vir, nirvana, pegs, afro, anticipation, reduction, improving, puccini,
Nearest to the: ambience, curator, psi, warmth, maxwell, christendom, estudios, muscovy,
Nearest to than: meets, honored, aggregation, aleksander, parenting, fifths, protestant,
katharina,
Nearest to all: hearted, albuquerque, tampa, rd, hypnotherapy, sweyn, malvinas, gyeongsang,
Nearest to will: humorist, priorities, expressway, toynbee, lakshadweep, guilty, assembl,
arboreal,
Nearest to with: overview, contention, judith, ncs, napoleonic, durand, migrant, useless,
Nearest to had: touch, wishart, convert, naively, millennial, jsr, ine, stifle,
Nearest to can: occidental, abt, pedals, harpers, knit, reintroduced, eric, jannaeus,
Nearest to state: pigments, possessor, lambert, stinging, nisibis, illyrian, terrific,
intelligence,
Iteration: 2000 Average loss at step 2000 : 131.34533649253845
Iteration: 4000 Average loss at step 4000 : 63.147254499197004
Iteration: 6000 Average loss at step 6000 : 41.525856976985935
Iteration: 8000 Average loss at step 8000 : 31.42771651887894
Iteration: 10000      Average loss at step 10000 : 25.607913156747816
Nearest to their: asteraceae, to, indulgence, aeronautical, coupe, on, chloroplasts, his,
Nearest to if: do, cola, paran, stunning, hermetical, speculated, aziz, nontrivial,
Nearest to new: chadic, urged, nuisance, branched, disco, hoxha, victorious, skaters,
Nearest to only: clear, not, dopamine, conformation, macarthur, to, six, cushitic,
Nearest to i: colombo, middens, troll, dh, group, ginsberg, implied, realization,
Nearest to would: will, mesh, ottomans, but, cei, to, psychiatry, cthulhu,
Nearest to eight: four, nine, three, one, five, six, seven, zero,
Nearest to however: and, automorphism, zero, gal, delayed, link, pashtun, crete,
Nearest to the: a, UNK, and, bootleg, aq, embraces, this, almonds,
Nearest to than: optics, summoned, attractive, affidavit, ungodly, rosh, faa, countable,
Nearest to all: the, three, individualists, actinium, pygmalion, executed, male, two,
Nearest to will: would, surmounted, emirates, concerts, could, raphael, sightings, can,
Nearest to with: in, nitroglycerin, observer, foot, nunavut, peshitta, phyla, and,
Nearest to had: costumes, beaten, by, has, attracts, spectral, were, and,
Nearest to can: could, may, volkswagen, abscess, conspirators, penalties, will, burrow,
Nearest to state: socialite, absurd, replacing, tony, wool, parasitic, thailand, preserving,

```

In [3]: