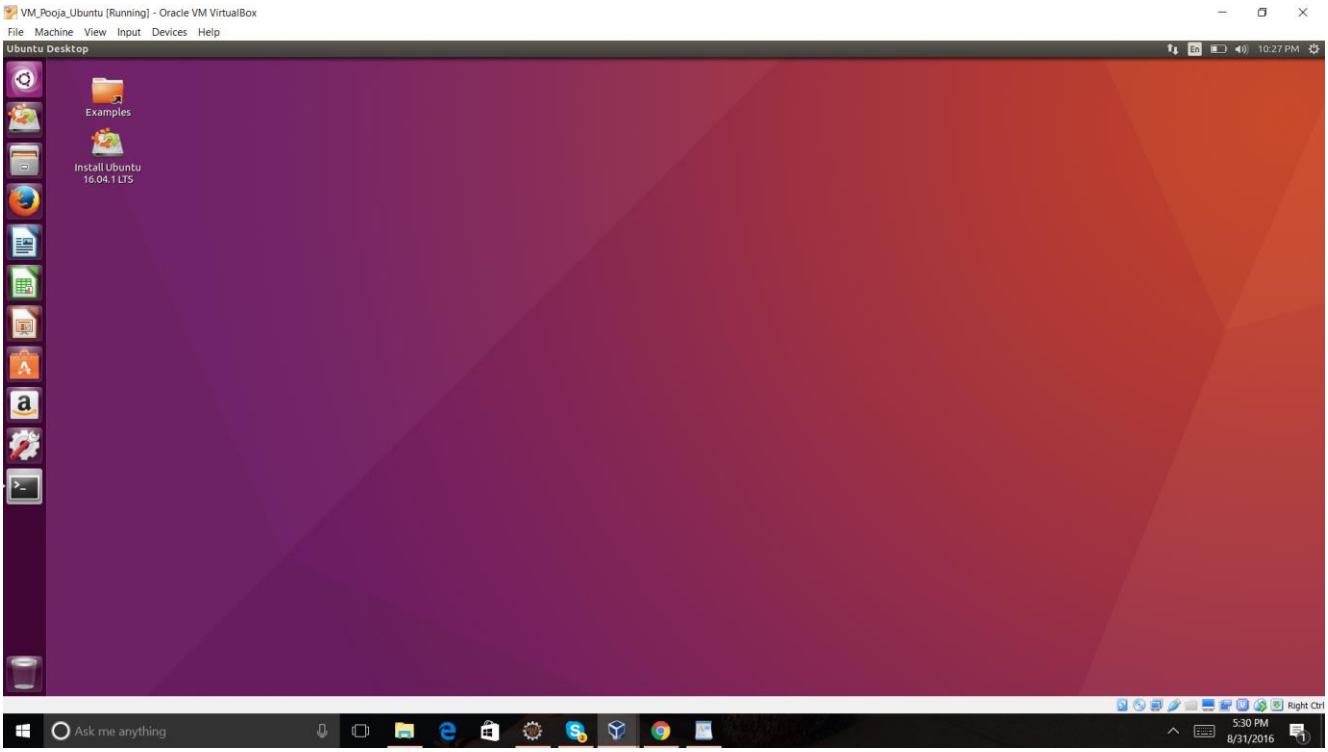
Pooja Vyas
SMU ID: 47220736

Finding Anagrams

- Output for Linux running in the Virtual Box:



- Output for file A:

```
ng, farmings, faro, fart, farts, fast, fastback, fastener, fastens, fate, fates, fatsoes, faultier, faults, fealties, fealty, feckly, feeding, feel
 felids, felinity, femora, femur, femurs, feodary, fere, feres, ferias, ferly, fernless, ferrous, ferry, ferule, ferules, fester, fetialis, fetor,
 fiendish, fiestas, fighter, fighters, figurate, filar, filer, filers, files, filet, filets, fillos, filo, filos, finalis, finder, finders, finger,
res, first, firth, firths, fissure, fist, fizzers, flairs, flame, flames, flaneur, flaneurs, flatcar, flatcars, flatwise, fleche, flenser, floaters
low, flowed, flower, flowers, flowing, flows, flue, flues, fluster, fluty, focuses, fodder, fodgel, foetal, foetor, foetors, fondu, fondus, footies
rester, forests, forge, forges, forkfuls, form, formulae, forth, forts, forward, fount, founts, freer, freers, freshest, fringy, fruiters, frumenty
ddi, gaddis, gaen, gagster, gainless, gainst, galenite, gallate, gallates, galling, galore, galores, gambler, gamblers, gamely, gammer, gammers, ga
s, gaps, gardener, garni, garotter, garred, garret, garrets, gasher, gasless, gasolier, gassers, gast, gaster, gastrin, gate, gates, gateway, gatew
 gelds, gelid, gemmier, genets, genom, genoms, genre, genres, genro, genros, gest, ghast, gilded, gilder, gilders, gilding, giller, gillers, gimel,
sol, gird, girded, girding, girdled, girds, girn, girns, giron, girons, girt, girth, girths, girts, glacier, glaciers, gladier, gladlier, glary, gl
 glomera, gloried, glossed, glossing, glover, glovers, gluer, gluers, glues, glugged, glugging, glutted, glutting, gnar, gnarred, gnars, gnu, gnus,
ry, gouts, gouty, gradus, grandam, grandams, granite, grantee, grate, grayest, greedy, grey, greys, grudge, grummest, grushie, guests, guides, guis
gustily, gusty]
Count of Unique anagrams:
2349
The longest Anagram is: abetters
Length of longest anagram is: 8
ubuntu@ubuntu:~$
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- Output for file B:

```
acles, macons, made, madrona, madronas, maes, magenta, magentas, magister, magneto, magnetos, magpies, maiden, maidenly, maidens, mailed, mailes, mailings
aligned, maligner, maline, malines, maltier, maltiest, maltster, man, mandola, mane, maned, manege, maneges, manes, mangels, mangiest, maniocs, manlier, m
ntises, manured, many, maracas, marascas, marches, mares, margined, marishes, marital, marled, marlines, marques, marquess, marses, marshes, marting, mart
mast, master, mastic, mastics, masting, mate, mateless, mates, matey, mateys, matinees, matrices, mauger, maximin, mayor, mayors, maziest, meager, meagerl
als, medicos, meet, meets, megasse, megasses, melanics, melding, melodies, melodist, meloid, memo, memos, meno, mense, menses, mensural, mentors, menu, me
 meriting, merits, merlot, merlots, merriest, meson, mesotron, messiest, mestino, mestinos, meter, micellar, midden, midlives, mien, miens, miladis, mildr
, minster, minuet, minuets, minuted, minuting, mires, mirex, miriest, misate, misdeals, miseats, miserly, misfield, mislies, misroute, missay, misuser, mo
 molars, molest, mon, monacid, monad, monadism, monads, monarch, monarchs, monarchy, monger, mongers, monism, monisms, monistic, monitory, mono, monogram
morels, mores, morn, morns, moseys, most, moste, motet, motets, mount, mounts, mouses, mucor, murein, mureins, mures, musings, must, mutuels, naevi, naive
atriums, natron, natrons, neon, neons, nerve, nest, nestles, nestor, neuk, neuks, neurons, newies, nickel, nickels, nitrite, nodes, nodose, noes, noesis,
Count of Unique anagrams:
872
The longest Anagram is: hairnets
Length of longest anagram is: 8
ubuntu@ubuntu:~$
```

- Output for file C:

```
ller, strongly, strow, struck, strumpet, strut, struts, stub, stubbier, stuck, studdie, student, studiers, studies, stuff, stumble, stumbler, stump, stu
, suboptic, sudses, suit, suites, suitings, surcoat, surety, surfeits, sutras, sutta, suttee, swarth, swath, swather, sweat, sweats, synergid, systole,
, tactics, tae, tael, tahrs, tail, taille, tailles, taint, taints, take, tallowy, talon, tame, tangier, tango, tangos, tangram, tangrams, tannest, tanta
et, tartlets, tate, tater, tattier, tautens, tavernas, taw, tawnier, taxes, teaming, teariest, teazel, teazels, teel, teens, teeter, teiids, teind, tele
dril, tendrils, tenia, tenias, tenon, tenor, tenours, tephra, tephras, terminal, termor, termors, tetanies, tetracid, tewed, tewing, thairm, thairms, th
there, theres, thickest, thionyls, thoracic, thorned, thorning, threads, thrust, thyroids, tickler, tide, tiglon, tilde, tilted, tilting, timber, timber
toeholds, toker, toledo, torpedo, torpid, torpids, tort, tortile, torts, tost, tow, trail, trails, trey, treys, triacid, triacids, tribunal, tribune, tr
ler, twist]
Count of Unique anagrams:
2642
The longest Anagram is: obdurate
Length of longest anagram is: 8
ubuntu@ubuntu:~$
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- Output for file D:

```
ied, ungainly, ungual, unions, uniquest, unite, united, unites, unlade, unlades, unlay, unlays, unleased, unlevied, unlit, unlive, unlives, unmakers, unmated, unmiter, unmiters,
d, unravel, unrobes, unsay, unserved, unspilt, unstack, unstated, unstep, unstuck, untilted, untired, updaters, upends, upstare, upswell, upwind, upwinds, uranite, uranites, uras
il, vailed, vailing, vails, vain, vale, valencia, vales, valets, valine, valor, valorise, vane, varices, varlets, vast, vastier, vaulters, vavasors, veena, veers, veil, vein, vei
ins, velars, veriest, verism, verset, versets, verst, vesicles, vest, veto, viatores, vide, viers, vies, view, views, viola, virtuose, visored, vowels, wadder, wader, wadset, wai
sting, waiver, waives, wake, waker, wakers, wakes, wale, waled, walers, wales, walleyes, waly, wander, wanders, wane, wanes, wangler, wanglers, wany, waps, warder, ware, wares, w
arp, warps, warstle, warstled, warstles, washier, washup, waspy, wast, waster, wasterie, way, ways, weather, weathers, weer, weest, weiner, weiners, weir, weird, weirs, welkin, w
weltings, wenchers, wendigo, wendigos, west, wettish, whale, whalemen, whales, wheedle, whist, whisting, whit, white, whited, whiter, whites, whitier, whities, whitiest, whiting,
so, widely, widen, wides, widest, wield, wiggler, wigglers, wildness, wilting, winze, winzes, wirer, wisents, wist, withers, woodlark, woodworm, wordier, worst, worthful, wost, w
anthein, yare, yarely, yearend, yodel, yodels, zaffer, zaffers, zaniest]
Count of Unique anagrams:
233
The longest Anagram is: umbellar
Length of longest anagram is: 8
ubuntu@ubuntu:~$
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