Project Runs:

**Testing Spell Check:**

[**Run1SpellCheck**](#Run1SpellCheck)

[**Run2SpellCheck**](#Run2SpellCheck)

[**Run3SpellCheck**](#Run3SpellCheck)

[**Run4SpellCheck**](#Run4SpellCheck)

**Demonstrating Other Stuffs:**

[**RunOtherStuff**](#RunOtherStuff)

**Run 1:**

norsini1@LAPTOP-SHQGQOEO:/mnt/c/Users/Nicholas Orsini/Source/repos/SpellChecker/SpellChecker$ ./Project2

Hash Table Summary:

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| Hash Function #1

| Elements in Hash Table: 466677

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.2

-------------------------------------

| Standard Deviation: 17.3838

| of cell spread.

| Time to Calculate: 0.0003703

-------------------------------------

| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.0001316

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.0001278

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| Hash Function Score: 89.156280518

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| Build Time 0.169073299 seconds

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Press any key to continueto main menu: 5

| Project 2: Spell Checker |

| Programmer: Nicholas A.Orsini |

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 1

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 1

Input a string: Thsi is a trst.

Thsi

is

a

trst

Misspelled Words: Thsi, trst.

Thsi is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

trst is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

|================================|

|Do you want to view suggestions |

|1. Yes |

|2. Cancel & Return to |

| Spell Check Menu |

|Make Input: 1

|================================|

| Suggestions to Improve Input |

| Below are suggestions for: |

|Thsi

| 1 Edit Words:

Press any key to conintue: 1

Thai

|Enter 1 to correct the spelling |

|of Thsi

|or anything else to continue |

|Make Input: 2

|================================|

|================================|

|2 Edit Words:

Press any key to continue: 2

Casi Chui Dasi Desi Dosi Elsi Iasi Josi Khasi Khai Khoi Lasi Nasi Phi Susi Shii Thai Ursi Zosi chai chs dhai ihi ksi khi nisi ohs pasi sisi shai shri shi uhs whs Tali Tami Tani Tati Tavi Tasm Tasia Tai Tbi Tchi Tessi Tedi Teri Tess Test Tiki Timi Tini Tisa Tish Tobi Tomi Toni Tori Tosk Trst Tri Tsai Tshi Tsui Tupi Turi Tush Twi Tybi ThB ThD ThM Thad Tham Thar Thay Thain Thais Thea Theo Theia Theis hei The Thia Thin This Thok Thom Thos Tho Thun Thur Tchwi Thsos Thess

|================================|

Input the word that will replace Thsi: This

|trst

| 1 Edit Words:

Press any key to continue:

n

Frst Trst erst test tost trest trist tryst tret trit tryt trt trs

|Enter 1 to correct the spelling |

|of trst

|or anything else to continue |

|Make Input: 1

|================================|

Input the word that will replace trst: test

Sentence/Phrase after corrections: This is a test

-----------------------------------

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 2

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 5

GoodBye!

**Run2:**

norsini1@LAPTOP-SHQGQOEO:/mnt/c/Users/Nicholas Orsini/Source/repos/SpellChecker/SpellChecker$ ./Project2

Hash Table Summary:

-------------------------------------

| Hash Function #1

| Elements in Hash Table: 466687

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.2

-------------------------------------

| Standard Deviation: 17.3837

| of cell spread.

| Time to Calculate: 0.0004052

-------------------------------------

| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.0001336

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.0001672

-------------------------------------

| Hash Function Score: 89.156280518

-------------------------------------

| Build Time 0.161816701 seconds

-------------------------------------

Press any key to continueto main menu: 1

| Project 2: Spell Checker |

| Programmer: Nicholas A.Orsini |

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 1

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 1

Input a string: Helf ne cfde.

Helf

ne

cfde

Misspelled Words:

Helf, ne, cfde.

Helf is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

ne is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

cfde is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

|================================|

|Do you want to view suggestions |

|1. Yes |

|2. Cancel & Return to |

| Spell Check Menu |

|Make Input: 1

|================================|

| Suggestions to Improve Input |

| Below are suggestions for: |

|Helf

| 1 Edit Words:

Press any key to continue: 1

Welf pelf self Held Heli Hell Helm Help Hel

|Enter 1 to correct the spelling of Helf

|or anything else to continue: 1

|================================|

Input the word that will replace Helf: Help

|ne

| 1 Edit Words:

Press any key to continue: 1

Une ene ine one yne Je Xe ee ie le me we ye nae n- nr ne- nef nek n

|Enter 1 to correct the spelling of ne

|or anything else to continue: 1

|================================|

Input the word that will replace ne: me

|cfde

| 1 Edit Words:

Press any key to continue: 1

code

|Enter 1 to correct the spelling of cfde

|or anything else to continue: 1

|================================|

Input the word that will replace cfde: code

Sentence/Phrase after corrections: Help me code

-----------------------------------

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 2

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 5

GoodBye!

**Run3**

norsini1@LAPTOP-SHQGQOEO:/mnt/c/Users/Nicholas Orsini/Source/repos/SpellChecker/SpellChecker$ ./Project2

Hash Table Summary:

-------------------------------------

| Hash Function #1

| Elements in Hash Table: 466691

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.2

-------------------------------------

| Standard Deviation: 17.3837

| of cell spread.

| Time to Calculate: 0.0004644

-------------------------------------

| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.0001694

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.0001217

-------------------------------------

| Hash Function Score: 89.156280518

-------------------------------------

| Build Time 0.155138701 seconds

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Press any key to continueto main menu: 5

| Project 2: Spell Checker |

| Programmer: Nicholas A.Orsini |

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 1

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 1

Input a string: Wht aee yik yrlling

Wht

aee

yik

yrlling

Misspelled Words:

Wht, aee, yik, yrlling.

Wht is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

aee is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

yik is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

yrlling is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

|================================|

|Do you want to view suggestions |

|1. Yes |

|2. Cancel & Return to |

| Spell Check Menu |

|Make Input: 1

|================================|

| Suggestions to Improve Input |

| Below are suggestions for: |

|Wht

| 1 Edit Words:

Press any key to continue: 2

pht sht Wat Whit Why

|Enter 1 to correct the spelling of Wht

|or anything else to continue: 1

|================================|

Input the word that will replace Wht: Why

|aee

| 1 Edit Words:

Press any key to continue: 5

Dee Fee Gee Kee Lee Mee Nee Ree See Vee hee jee pee tee wee zee akee alee awee ade are ase ate aye ee

|Enter 1 to correct the spelling of aee

|or anything else to continue: 1

|================================|

Input the word that will replace aee: are

|yik

| 1 Edit Words:

Press any key to continue: 1

Rik Sik nik oik pik yak yok yirk yip yis yike ik

|Enter 1 to correct the spelling of yik

|or anything else to continue: 1

|================================|

Input the word that will replace yik: you

you

|yrlling

| 1 Edit Words:

Press any key to continue: 1

yelling

|Enter 1 to correct the spelling of yrlling

|or anything else to continue: 1

|================================|

Input the word that will replace yrlling: yelling

Sentence/Phrase after corrections: Why are you yelling

-----------------------------------

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 2

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 5

GoodBye!

**Run 4:**

norsini1@LAPTOP-SHQGQOEO:/mnt/c/Users/Nicholas Orsini/Source/repos/SpellChecker/SpellChecker$ ./Project2

Hash Table Summary:

-------------------------------------

| Hash Function #1

| Elements in Hash Table: 466691

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.2

-------------------------------------

| Standard Deviation: 17.3837

| of cell spread.

| Time to Calculate: 0.0004608

-------------------------------------

| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.0001692

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.0001218

-------------------------------------

| Hash Function Score: 89.156280518

-------------------------------------

| Build Time 0.151660904 seconds

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Press any key to continueto main menu: 5

| Project 2: Spell Checker |

| Programmer: Nicholas A.Orsini |

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 1

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 1

Input a string: Hollo my name is nohe of youe businnes, wht would you even csre?

Hollo

my

name

is

nohe

of

youe

businnes

wht

would

you

even

csre

Misspelled Words:

Hollo, nohe, youe, businnes, wht, even, csre.

Hollo is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

nohe is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

youe is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

businnes is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

wht is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

even is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 1

Confirm Dictionary Addition Prompt:

Enter a 1 to confirm or 0 to cancel: 1

Dictionary Updated!

even

csre is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

|================================|

|Do you want to view suggestions |

|1. Yes |

|2. Cancel & Return to |

| Spell Check Menu |

|Make Input: 1

|================================|

| Suggestions to Improve Input |

| Below are suggestions for: |

|Hollo

| 1 Edit Words:

Press any key to continue: 1

Rollo hollo Hello Holle Holli Holly

|Enter 1 to correct the spelling of Hollo

|or anything else to continue: 1

|================================|

Input the word that will replace Hollo: Hello

|nohe

| 1 Edit Words:

Press any key to continue: 1

Cohe Hohe node none nope nose note nohes nohex

|Enter 1 to correct the spelling of nohe

|or anything else to continue: 1

|================================|

Input the word that will replace nohe: none

|youe

| 1 Edit Words:

Press any key to continue: 1

Coue moue roue yode yoke yore yote yowe youre youse youve youd youl youp your yous yoe you

|Enter 1 to correct the spelling of youe

|or anything else to continue: 5

|================================|

|================================|

|2 Edit Words:

Press any key to continue: 1

Coue Inoue Pyote myope moue roue troue Aoul Bore Bose Cohe Coke Cooe Cope Cote Drue Dode Doge Dove Douw Dou Foxe Fouke Four Gone Gore Gove Hogue Hode Hohe Hole Home Hope Hose Hove Howe Hoye House Hue Hoe Iole Ione Josue Jobe Jone Jose Joxe Joye Joule Jouve Joub Joe Kobe Kome Kone Kore Laue Lole Lome Lore Lose Love Lowe Louie Loup Loux Lou Mode Mole Mose Moule Moe Niue Nobe Nole Nome Nore Noe Prue Pogue Pope Powe Poul Que Roque Roee Rome Rone Rowe Roye Roze Roux Rouen Rue Shue Soule Soul Sour Sue Sou Tobe Tore Tove Toye Toure Toul Tour Vote Voe Wouk Zoque Zobe Zoie Zoug Zoe ague boce bote boud bouk bour bout cogue cohue coque code cone cove coude coupe couve coud coul coup cue dome dope dose douse doub douc doum doup dour dout due eole eous flue fole fone fore foute foud glue grue gode gome gote gouge goup gour gout gue gou hoke home hone hore hote houve hour hout iode iour ious joie joke jole joug jouk joul jour koae kou logue lobe lode loge loke lone lote loupe louse loud louk loun lour lout louey lue moke mome mone mope more mote move mowe moze moud moul moun moup mout moues node none nope nose note noun noup nous nou oose ooze poke pole pome pone pore pose pote pouce poule pouf pour pout rogue robe rode roke role rope rote rove rouge rouse route roub roud roun roup rout roues rue slue spue stue soce soke sole some sone sope souse soud souk soum soup sous soe togue toque tode toke tole tome tone tope tote toze touse toug toup tout tue toe tou uous vogue voce vole vouge wode woke wone wore wote wove wouf woe yode yoke yore yote yowe youre youse youve youd youl youp your yous yoe you zone yade yaje yare yaud yaup ycie yede yere yese yeuk yike yipe yite yne yuke yobi yobs yock yodh yods yodel ode yod yogee yogh yowie oie yoi yoks yoky yoked yoker yokes oke yok yolk ole yomer ome yom yond yoni yont one yon yook yoop ope yores yor ose ote yot yoven yowl yows yowt yowed yowes owe yox yoyo yoy you'd oud youff ouf yug youth yuh oui yum yourn yours yourt our ous yus out youden ouze ye yo

|================================|

Input the word that will replace youe: hour

|businnes

| 1 Edit Words:

Press any key to continue: 1

No suggestions available.

|================================|

|2 Edit Words:

Press any key to continue: 1

rusines business busings busine

|================================|

Input the word that will replace businnes: business

|wht

| 1 Edit Words:

Press any key to continue: 1

pht sht wet wot wut what whet wha whf whs why wt

|Enter 1 to correct the spelling of wht

|or anything else to continue: 1

|================================|

Input the word that will replace wht: what

|csre

| 1 Edit Words:

Press any key to continue: 1

cire cure cre

|Enter 1 to correct the spelling of csre

|or anything else to continue: 5

|================================|

|================================|

|2 Edit Words:

Press any key to continue: 2

ochre scare score 're Asare Bore Cdre Dare Eire Eure Eyre Esme Este Esra Gare Gere Gore Imre Iyre Isere Isle Kare Kore Kure Lore Mare Mure Nore Osee Ore Pare Pire Sere Tare Tore Tyre Vere Ware Zare anre are ase cire cure cre dure egre esere esne esse ese fare fire fore gire gre hire hore hure iare ise jure lare lere lire lure lyre mere mire more nere ogre ose pere pore pure pyre qere sare sire stre syre tire tsere uvre usure usee ure vare vire were wire wore yare yere yore chare crare cace carle carne carpe carve carf carp cars cared carer cares caret cedre cene cepe cero cered chore cine cive cize cir. cirl cir clee cle crore code cone cove corbe corge corke corve cor- corf corm core- cored cypre crpe ctge ctrl cte ctr cube cuke cute cuve curse curve cur. cura curf curn cury cured curer cures cue cur cyke cyme cyte cs. csch she cosie cusie sie csk csmp soe casse csw sye cr. cro cru crea crew

|================================|

Input the word that will replace csre: care

care

care is not in the dictionary.

Enter a valid word

Enter a 0 to add care to the dictionary and continue

or enter a valid word.

Confirm Dictionary Addition Prompt:

Enter a 1 to confirm or 0 to cancel: 1

Dictionary Updated!

Sentence/Phrase after corrections: Hello my name is none of hour business what would you even care

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|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 1

Input a string: Make me ruv arrends.

Make

me

ruv

arrends

Misspelled Words:

Make, ruv, arrends.

Make is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 1

Confirm Dictionary Addition Prompt:

Enter a 1 to confirm or 0 to cancel: 1

Dictionary Updated!

Make

ruv is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

arrends is misspelled.

|================================|

|Do you want to add this word to |

| the dictionary? |

| 1. Add to Dictionary |

| 2. Don't Add To The Dictionary |

| Make Input: 2

|================================|

|Do you want to view suggestions |

|1. Yes |

|2. Cancel & Return to |

| Spell Check Menu |

|Make Input: 1

|================================|

| Suggestions to Improve Input |

| Below are suggestions for: |

|ruv

| 1 Edit Words:

Press any key to continue: 1

guv juv luv riv rub rud rue rug run rut rux

|Enter 1 to correct the spelling of ruv

|or anything else to continue: 1

|================================|

Input the word that will replace ruv: run

|arrends

| 1 Edit Words:

Press any key to continue: 6

No suggestions available.

|================================|

|2 Edit Words:

Press any key to continue: 5

Warrens bartends barrens Arends errands friends trends addends amends appends ascends attends augends argents arpents arpens arrears arrests arrent rends arend

|================================|

Input the word that will replace arrends: errands

Sentence/Phrase after corrections: Make me run errands

-----------------------------------

|================================|

| Spell Check Menu |

|================================|

| 1. Test Spelling |

| 2. Return to Main Menu |

| Make Input: 2

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 5

GoodBye!

**Run of Other Functions:**

norsini1@LAPTOP-SHQGQOEO:/mnt/c/Users/Nicholas Orsini/Source/repos/SpellChecker/SpellChecker$ ./Project2

Hash Table Summary:

-------------------------------------

| Hash Function #1

| Elements in Hash Table: 466694

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.2

-------------------------------------

| Standard Deviation: 17.3837

| of cell spread.

| Time to Calculate: 0.004833

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| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.0001581

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.0001218

-------------------------------------

| Hash Function Score: 89.156280518

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| Build Time 0.169770494 seconds

-------------------------------------

Press any key to continueto main menu: 5

| Project 2: Spell Checker |

| Programmer: Nicholas A.Orsini |

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 2

|================================|

| Dictionary Options Menu |

|================================|

| 1. Study Dictionary Words |

| 2. Print a list from ditionary |

| 3. Return to Main Menu |

| Make Input: 1

Study dictionary terms:

------------------------

How many terms do you want to study

Select an option:

1. 10 2. 15 3. 20 4. 25 5. Cancel

1

Study these words:

1. putrefy - to rot; to decay and give off a foul odor

2. quaff - to drink deeply

3. quagmire - a situation that is difficult to get out of

4. quash - to quell; to put an end to forcibly

5. querulous - prone to complaining or grumbling; quarrelsome

6. query - question; inquiry; doubt in the mind; reservation

7. quixotic - foolishly impractical; marked by lofty romantic ideals

8. quotidian - occurring or recurring daily; commonplace

9. raffish - unconvential and slightly disreputable; carefree; vulgar

10. rancorous - characterized by bitter, long-lasting resentment

Press any key when ready to continue: 5

Enter a 1 to generate more terms. Or any other key to return to menu: 1

Study dictionary terms:

------------------------

How many terms do you want to study

Select an option:

1. 10 2. 15 3. 20 4. 25 5. Cancel

4

Study these words:

1. execrate - to denounce, to feel loathing for, to curse, to declare to be evil

2. expiate - to atone or make amends for

3. inimitable - one of a kind, peerless

4. inveterate - deep rooted, ingrained, habitual

5. peroration - the concluding part of a speech; flowery, rhetorical speech

6. prolix - long-winded, verbose; prolixity means verbosity

7. propitiate - win or regain the favor of (a god, spirit, or person) by doing something that pleases them

8. puerile - childish, immature, jejune, nugatory

9. puissance - power, strength; puissant means powerful, strong

10. remonstrate - to protest, to object

11. sagacious - having sound judgment; perceptive, wise; like a sage

12. salacious - lustful, lascivious, bawdy

13. sententious - aphoristic or moralistic; epigrammatic; tending to moralize excessively

14. tendentious - biased; showing marked tendencies

15. vitiate - to corrupt, to debase, to spoil, to make ineffective

16. voluble - fluent, verbal, having easy use of spoken language

17. lament - a passionate expression of grief and sorrow

18. reprove - reprimand or censure (someone)

19. skulduggery - underhanded or unscrupulous behavior; trickery

20. wanton - deliberate and unprovoked; sexually immodest or promiscuous

21. fastidious - very attentive and concerned about accuracy and detail

22. abeyance - a state of temporary disuse or suspension

23. extant - still in existence, especially related to a document

24. vestigial - forming a very small remnant of something that was once much larger or more noticeable.

25. conciliate - stop (someone) from being angry or discontented; placate; pacify

Press any key when ready to continue: 5

Enter a 1 to generate more terms. Or any other key to return to menu: 5

|================================|

| Dictionary Options Menu |

|================================|

| 1. Study Dictionary Words |

| 2. Print a list from ditionary |

| 3. Return to Main Menu |

| Make Input: 2

Enter any word. If it is a word that

list in the hash table will be printed.

Input a word: foolish

foolish

foolish's List:

Printing Linked List:

======================

Node #1 of 30:

Node data: zibeths

Node hash value: 18259

Node #2 of 30:

Node data: zibethone

Node hash value: 18259

Node #3 of 30:

Node data: zibeth

Node hash value: 18259

Node #4 of 30:

Node data: nonlymphatic

Node hash value: 18259

Node #5 of 30:

Node data: Loami

Node hash value: 18259

Node #6 of 30:

Node data: Llyr

Node hash value: 18259

Node #7 of 30:

Node data: lichted

Node hash value: 18259

Node #8 of 30:

Node data: Johannite

Node hash value: 18259

Node #9 of 30:

Node data: Johannist

Node hash value: 18259

Node #10 of 30:

Node data: Johannisberger

Node hash value: 18259

Node #11 of 30:

Node data: Johannine

Node hash value: 18259

Node #12 of 30:

Node data: Johannessen

Node hash value: 18259

Node #13 of 30:

Node data: Johannesburg

Node hash value: 18259

Node #14 of 30:

Node data: Johannes

Node hash value: 18259

Node #15 of 30:

Node data: Johannean

Node hash value: 18259

Node #16 of 30:

Node data: Johannah

Node hash value: 18259

Node #17 of 30:

Node data: Johanna

Node hash value: 18259

Node #18 of 30:

Node data: Johann

Node hash value: 18259

Node #19 of 30:

Node data: foolish-witty

Node hash value: 18259

Node #20 of 30:

Node data: foolish-wise

Node hash value: 18259

Node #21 of 30:

Node data: foolishnesses

Node hash value: 18259

Node #22 of 30:

Node data: foolishness

Node hash value: 18259

Node #23 of 30:

Node data: foolish-looking

Node hash value: 18259

Node #24 of 30:

Node data: foolishly

Node hash value: 18259

Node #25 of 30:

Node data: foolishest

Node hash value: 18259

Node #26 of 30:

Node data: foolisher

Node hash value: 18259

Node #27 of 30:

Node data: foolish-bold

Node hash value: 18259

Node #28 of 30:

Node data: foolish

Node hash value: 18259

Node #29 of 30:

Node data: Dingaan

Node hash value: 18259

Node #30 of 30:

Node data: bespirit

Node hash value: 18259

End of list.

Press any key when ready to continue: 5

Enter a 1 to search another list. Or any other key to return to menu: 5

|================================|

| Dictionary Options Menu |

|================================|

| 1. Study Dictionary Words |

| 2. Print a list from ditionary |

| 3. Return to Main Menu |

| Make Input: 3

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 4

|================================|

| Hash Table Analysis Menu |

|================================|

| 1. View Hash Table Statistics |

| 2. Print Summary Table of Dict.|

| 3. Return to Main Menu |

| Make Input: 1

Number of implemented valid hashing functions: #2

---------------------------------------------------------

| Hash Table Analysis |

| This method creates a hash table for each impelemented |

| hashing function. Fills all tables with strings from |

| 0 to hashtableszie-1. Then stats will be displayed |

| for each table one at a time. |

|--------------------------------------------------------|

Press any key to continueto main menu: 1

Table #1 of 2

Hash Table Summary:

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| Hash Function #1

| Elements in Hash Table: 32768

| Cells in Hash Table: 32768

| Number of Used Cells: 19175

| Load Factor: 1.000

-------------------------------------

| Standard Deviation: 1.080048

| of cell spread.

| Time to Calculate: 0.006055

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| Largest Bucket Size: 6

| # Cells like this: 46

| Time to Calculate: 0.000662

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| Smallest Bucket Size: 0

| # Cells like this: 13593

| Time to Calculate: 0.000415

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| Hash Function Score: 14.134521484

-------------------------------------

Press any key to conintue: 1

Table #2 of 2

Hash Table Summary:

-------------------------------------

| Hash Function #2

| Elements in Hash Table: 32768

| Cells in Hash Table: 32768

| Number of Used Cells: 129

| Load Factor: 1.000

-------------------------------------

| Standard Deviation: 29.797726

| of cell spread.

| Time to Calculate: 0.000553

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| Largest Bucket Size: 1533

| # Cells like this: 1

| Time to Calculate: 0.000444

-------------------------------------

| Smallest Bucket Size: 0

| # Cells like this: 32639

| Time to Calculate: 0.000305

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| Hash Function Score: -99.380889893

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Press any key to conintue: 5

|================================|

| Hash Table Analysis Menu |

|================================|

| 1. View Hash Table Statistics |

| 2. Print Summary Table of Dict.|

| 3. Return to Main Menu |

| Make Input: 2

Hash Table Summary:

-------------------------------------

| Hash Function #1

| Elements in Hash Table: 466694

| Cells in Hash Table: 32768

| Number of Used Cells: 32663

| Load Factor: 14.242

-------------------------------------

| Standard Deviation: 17.383682

| of cell spread.

| Time to Calculate: 0.000673

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| Largest Bucket Size: 1046

| # Cells like this: 1

| Time to Calculate: 0.000158

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| Smallest Bucket Size: 0

| # Cells like this: 105

| Time to Calculate: 0.000122

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| Hash Function Score: 89.156280518

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| Build Time 0.169770494 seconds

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Press any key to conintue: 5

|================================|

| Hash Table Analysis Menu |

|================================|

| 1. View Hash Table Statistics |

| 2. Print Summary Table of Dict.|

| 3. Return to Main Menu |

| Make Input: 3

|================================|

| Main Menu |

|================================|

| Select a corresponding option |

| 1. Open Spell Check |

| 2. Open Dictionary Options |

| 3. Open Options Menu |

| 4. Open Hash Table Analysis |

| 5. Quit |

| Make Input: 5

GoodBye!