Computer Programming II — Homework Assignment #4

1. Let *str* be a string. Write a program that finds every word *w* in a dictionary file which satisfies one of the following three pairs of conditions:

a. the length of *w* is equal to the length of *str*, and

b. *w* is different from *str* by exactly one character.

c. the length of *w* is one greater than the length of *str*, and

d. *str* is equal to a substring obtained by deleting a character from *w*.

e. the length of *w* is one less than the length of *str*, and

f. *w* is equal to a substring obtained by deleting a character from *str*.

For example, if *str* is the string **tabe**, then the word **table** satisfies conditions c and d, the word **tab** satisfies conditions e and f, and the following words satisfy conditions a and b:

**babe**

**tabs**

**take**

**tale**

**tame**

**tape**

**tube**

Please implement the member functions of classes **string**, **vector** and **SpellCheck**, defined in **string.h**, **vector.h** and **SpellCheck.h**, respectively.

The output should appear as follows:

|  |
| --- |
| **Word to check: bette**  **Similar legal words: better**  **Word to check: hllmarks**  **Similar legal words: hallmarks**  **Word to check: binomil**  **Similar legal words: binomial**  **Word to check: ooperating**  **Similar legal words: cooperating, operating**  **Word to check: clauss**  **Similar legal words: clause, clauses, class**  **Word to check: dependece**  **Similar legal words: dependence**  **Word to check: sicide**  **Similar legal words: suicide**  **Word to check: reled**  **Similar legal words: ruled, reeled, relied, reed**  **Word to check: advies**  **Similar legal words: advises**  **Word to check: unergraduates**  **Similar legal words: undergraduates**  **Word to check: taned**  **Similar legal words: tamed, taped, taxed, toned, tuned, waned, tanged, tanked, tanned**  **Word to check: campr**  **Similar legal words: camps, camper, camp**  **Word to check: autogaph**  **Similar legal words: autograph**  **Word to check: lullaies**  **Similar legal words: lullabies**  **Word to check: bulles**  **Similar legal words: bugles, bulges, bullet, bullets, bullies, bulls**  **Word to check: kinde**  **Similar legal words: kinds, kinder, kindle, kind**  **Word to check: speechles**  **Similar legal words: speechless, speeches**  **Word to check: Thusdays**  **Similar legal words: Thursdays**  **Word to check: stabiliing**  **Similar legal words: stabilizing**  **Word to check: gratfication**  **Similar legal words: gratification**  **Word to check: caendars**  **Similar legal words: calendars**  **Word to check: precseness**  **Similar legal words: preciseness**  **Word to check: sereeness**  **Similar legal words: sereneness**  **Word to check: deconextualized**  **Similar legal words: decontextualized**  **Word to check: normalie**  **Similar legal words: normalize**  **Word to check: progny**  **Similar legal words: progeny**  **Word to check: hardheared**  **Similar legal words: hardhearted**  **Word to check: decines**  **Similar legal words: decides, defines, declines**  **Word to check: warraned**  **Similar legal words: warranted**  **Word to check: calvs**  **Similar legal words: calls, calms, calves**  **Word to check: rening**  **Similar legal words: reining, rending, renting**  **Word to check: hopeully**  **Similar legal words: hopefully**  **Word to check: fuctuating**  **Similar legal words: fluctuating**  **Word to check: siraled**  **Similar legal words: spiraled**  **Word to check: ivelihood**  **Similar legal words: livelihood**  **Word to check: radicls**  **Similar legal words: radicals**  **Word to check: magnifyig**  **Similar legal words: magnifying**  **Word to check: lauretes**  **Similar legal words: laureates**  **Word to check: incierate**  **Similar legal words: incinerate**  **Word to check: escoring**  **Similar legal words: escorting, scoring**  **Word to check: arcads**  **Similar legal words: arcade, arcades**  **Word to check: lingist**  **Similar legal words: linguist**  **Word to check: Ancorage**  **Similar legal words: Anchorage**  **Word to check: noralized**  **Similar legal words: moralized, normalized**  **Word to check: capito**  **Similar legal words: capita, capitol**  **Word to check: suceeds**  **Similar legal words: succeeds**  **Word to check: clloquial**  **Similar legal words: colloquial**  **Word to check: ffects**  **Similar legal words: affects, effects**  **Word to check: Jamaic**  **Similar legal words: Jamaica**  **Word to check: itterness**  **Similar legal words: bitterness**  **Word to check: luinary**  **Similar legal words: luminary**  **Word to check: eadjustments**  **Similar legal words: readjustments, adjustments**  **Word to check: asuder**  **Similar legal words: asunder**  **Word to check: contaminae**  **Similar legal words: contaminate**  **Word to check: dilatd**  **Similar legal words: dilate, dilated**  **Word to check: cognitivly**  **Similar legal words: cognitively**  **Word to check: balloo**  **Similar legal words: ballot, balloon**  **Word to check: ousemaids**  **Similar legal words: housemaids**  **Word to check: ridles**  **Similar legal words: ridges, rifles, bridles, riddles, idles, rides**  **Word to check: acceptale**  **Similar legal words: acceptable**  **Word to check: evidncing**  **Similar legal words: evidencing, evincing**  **Word to check: tithd**  **Similar legal words: tithe, tithed**  **Word to check: exacerated**  **Similar legal words: exacerbated**  **Word to check: Algerias**  **Similar legal words: Algerian, Algerians, Algeria**  **Word to check: loosend**  **Similar legal words: loosens, loosened, loosed, loosen**  **Word to check: confeeration**  **Similar legal words: confederation**  **Word to check: consered**  **Similar legal words: conserved**  **Word to check: scentin**  **Similar legal words: scenting**  **Word to check: puniser**  **Similar legal words: punisher**  **Word to check: utlandishness**  **Similar legal words: outlandishness**  **Word to check: interestd**  **Similar legal words: interests, interested, interest**  **Word to check: dustbn**  **Similar legal words: dustbin**  **Word to check: grammaical**  **Similar legal words: grammatical**  **Word to check: ootsies**  **Similar legal words: tootsies**  **Word to check: esteemin**  **Similar legal words: esteeming**  **Word to check: attrator**  **Similar legal words: attractor**  **Word to check: naugurates**  **Similar legal words: inaugurates**  **Word to check: stramers**  **Similar legal words: streamers**  **Word to check: immotalize**  **Similar legal words: immortalize**  **Word to check: spdes**  **Similar legal words: sides, spies, spades**  **Word to check: ttally**  **Similar legal words: totally, tally**  **Word to check: sesons**  **Similar legal words: seasons**  **Word to check: Dickns**  **Similar legal words: Dickens**  **Word to check: ventuality**  **Similar legal words: eventuality**  **Word to check: likeiest**  **Similar legal words: likeliest**  **Word to check: oudone**  **Similar legal words: outdone**  **Word to check: bking**  **Similar legal words: being, bring, baking, biking, king**  **Word to check: acclimatig**  **Similar legal words: acclimating**  **Word to check: funder**  **Similar legal words: fender, finder, funded, sunder, founder, under**  **Word to check: sereo**  **Similar legal words: stereo**  **Word to check: oblgatory**  **Similar legal words: obligatory**  **Word to check: igarette**  **Similar legal words: cigarette**  **Word to check: nhilist**  **Similar legal words: nihilist**  **Word to check: cassroles**  **Similar legal words: casseroles**  **There are 0 errors.** |