QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

Sample outputs

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$ python3 quiz_3.py
Enter a word: a_word
The subwords of "a_word" of height 1 are:
    []
$ python3 quiz_3.py
Enter a word: funct(arg)
The subwords of "funct(arg)" of height 1 are:
    ['funct(arg)']
$ python3 quiz_3.py
Enter a word: funct(arg_1,arg_2,     arg_3)
The subwords of "funct(arg_1,arg_2,     arg_3)" of height 1 are:
    ['funct(arg_1, arg_2, arg_3)']
$ python3 quiz_3.py
Enter a word: f (g(a,   b),g(b,c),   g(c,a))
The subwords of "f (g(a,   b),g(b,c),   g   (   c   ,   a   ) )" of height 1 are:
    ['g(a, b)', 'g(b, c)', 'g(c, a)']
$ python3 quiz_3.py
Enter a word: f(g_1(a,g_2  (   a, b, g_3(c)), g_2(g_3(a, b,   g_4(  a), e) ))    )
The subwords of "f(g_1(a,g_2  (   a, b, g_3(c)), g_2(g_3(a, b,   g_4(  a), e) ))    )" of height 1 are:
    ['g_3(c)', 'g_4(a)']
$ python3 quiz_3.py
Enter a word: f_0(a,f_1(b,f_2(f_3(f_4(a)),f_3(h)),f_2(f_3(a))),f_1(f_2(f_3(a))))
The subwords of "f_0(a,f_1(b,f_2(f_3(f_4(a)),f_3(h)),f_2(f_3(a))),f_1(f_2(f_3(a))))" of height 1 are:
    ['f_4(a)', 'f_3(h)', 'f_3(a)', 'f_3(a)']
$ python3 quiz_3.py
Enter a word: f1(f2(f3(a,b), c), f2(a, f3(a,b)),  f2(bcb),  f2(0,f3(eeee)))
The subwords of "f1(f2(f3(a,b), c), f2(a, f3(a,b)),  f2(bcb),  f2(0,f3(eeee)))" of height 1 are:
    ['f3(a, b)', 'f3(a, b)', 'f2(bcb)', 'f3(eeee)']
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Date: Session 2, 2015.