# QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

## Sample outputs

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$ python quiz_3.py
Enter a word: a_word
Enter a nonnegative integer: 0
The subwords of "a_word" of depth 0 are:
    ['a_word']
$ python quiz_3.py
Enter a word: a_word
Enter a nonnegative integer: 1
The subwords of "a_word" of depth 1 are:
    []
$ python quiz_3.py
Enter a word: funct(arg)
Enter a nonnegative integer: 0
The subwords of "funct(arg)" of depth 0 are:
    ['funct(arg)']
$ python quiz_3.py
Enter a word: funct(arg)
Enter a nonnegative integer: 1
The subwords of "funct(arg)" of depth 1 are:
    ['arg']
$ python quiz_3.py
Enter a word: funct(arg)
Enter a nonnegative integer: 2
The subwords of "funct(arg)" of depth 2 are:
    []
$ python quiz_3.py
Enter a word: func(arg_1,arg_2,     arg_3)
Enter a nonnegative integer: 1
The subwords of "func(arg_1,arg_2,     arg_3)" of depth 1 are:
    ['arg_1', 'arg_2', 'arg_3']
$ python quiz_3.py
Enter a word: f (g(a, b),g(b,c),  g(c,a))
Enter a nonnegative integer: 1
The subwords of "f (g(a, b),g(b,c),  g(c,a))" of depth 1 are:
    ['g(a,b)', 'g(b,c)', 'g(c,a)']
$ python 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))))
Enter a nonnegative integer: 2
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 depth 2 are:
    ['a', 'g_2(a,b,g_3(c))', 'g_2(g_3(a,b,g_4(a),e))']
$ python 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))))
Enter a nonnegative integer: 3
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 depth 3 are:
    ['f_3(f_4(a))', 'f_3(h)', 'f_3(a)', 'f_3(a)']
```

*Date*: Session 1, 2015.