

QUIZ 3

COMP9021 PRINCIPLES OF PROGRAMMING

SAMPLE OUTPUTS

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: constant

Input an arity : 0

Good, the term is syntactically correct.

\$ python3 quiz_3.py

Input an arity : 3

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: constant

Unfortunately, the term is syntactically incorrect.

\$ python3 quiz_3.py

Input an arity : 1

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: function_of_arity_one(hello)

Good, the term is syntactically correct.

\$ python3 quiz_3.py

Input an arity : 0

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: function_of_arity_one(hello)

Unfortunately, the term is syntactically incorrect.

\$ python3 quiz_3.py

Input an arity : 2

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: F(g(a,a), f(a,b))

Good, the term is syntactically correct.

\$ python3 quiz_3.py

Input an arity : 3

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: f(g(a,a), f(a,b))

Unfortunately, the term is syntactically incorrect.

\$ python3 quiz_3.py

Input an arity : 4

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: f(a, FF(a, b, fff(a, b, c, FfFf(a,b,c,d)), FfFf(a,b,c,d)), c,d)

Good, the term is syntactically correct.

\$ python3 quiz_3.py

Input an arity : 3

A term should contain only letters, underscores, commas, parentheses, spaces.

Input a term: ff(ff(ff(a,b,ff(aa,bb,cc)) , b , ff(a,b,c)) , b , ff(a,ff(a,b,c),c))

Good, the term is syntactically correct.

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$ python3 quiz_3.py
Input an arity : 0
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f_1
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 1
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f[a]
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 0
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: ()
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 1
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f)
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 2
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(a, g(b))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f((a,b,c))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(g(a,b,c),g(a,b,c),g(a,b,c))
Unfortunately, the term is syntactically incorrect.
$ python3 quiz_3.py
Input an arity : 3
A syntactically correct term contains only letters, underscores, commas, parentheses, spaces.
Input a term: f(a, g(a, b, f(a,b,c)), b, c)
Unfortunately, the term is syntactically incorrect.
```