
Cython Documentation

0.0.1

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: Cython

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2.1 C

cdef:

```
cdef int i, j, k
cdef float f, g[42], *h

cdef struct Grail:
    int age
    float volume

cdef union Food:
    char *spam
    float *eggs

cdef enum CheeseType:
    cheddar, edam,
    camembert

cdef enum CheeseState:
    hard = 1
    soft = 2
    runny = 3
```

:

```
cdef enum:
    tons_of_spam = 3
```

struct, union, enum:

```
cdef struct Grail *gp # WRONG

cdef Grail *gp #Right
```

ctypedef:

```
ctypedef unsigned long ULong

ctypedef int* IntPtr
```

2.1.1

Cython CC(). Cchar,short,int,long,long longunsigned unsigned int. bintC(0False,0True), *Py_ssize_t* Python
CCython *, int** C int.C int[10]. Cython *x Python x[0].
Pythonlist,dict,tuplePythonint,longCint,long Python

2.1.2 C