The `syntax` Package Example

Here is some sample C++ code with basic highlighting:

```cpp
/*
 * helloworld.cpp
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 * date: December 16, 2013
 */

// my first program in C++

#include <iostream>
#define ZERO 0

using namespace std;

int main()
{
    for(int i = 0; i < 10; i++) {
        cout << "Hello World\n";
    }
    return 0;
}
```

Here is a Python example:

```python
class memoize:

def __init__(self, function):
    self.function = function
    self.memoized = {}

def __call__(self, *args):
    try:
      return self.memoized[args]
    except KeyError:
      self.memoized[args] = self.function(*args)
      return self.memoized[args]
```