Named Tuples

Tyler J. Brough

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Named Tuples

One particular collection type (introduced) in Python 3 is the `named tuple`. In a way, it is a first simple form of object-oriented programming.

We can use this collection by doing the following:

```python
import collections
Student = collections.namedtuple("Student", "FirstName LastName
ANumber Grade")
```

This will create a *named* type that we can use like an object. So we can instantiate data of this new type like so:

```python
bob = Student("Robert", "Zimmerman", "A01559966", "A+")
print("{0} {1} {2} earned an {3}".format(bob.FirstName, bob.LastName,
bob.ANumber, bob.Grade))
```

```
Robert Zimmerman A01559966 earned an A+
```

Already, you might think of a great way to use this for your homework assignment. But here is a hint:

```python
Nuggets = collections.namedtuple("Nuggets", "small medium large")
nuggets = Nuggets(6, 9, 20)
print("The small package size is: {0}".format(nuggets.small))
```

```
The small package size is: 6
```