

## Python struct module

- module provides a list of method which performs conversions between Python values C objects
- it can be very usefully employed in constructing protocols
- it uses format strings as compact descriptions of the layout data
  - similar to printf and friends in C

## Python struct module

- read the [documentation](http://docs.python.org/library/struct.html) <<http://docs.python.org/library/struct.html>> and write a small program to print your username in with 20 characters

- your program should output

```
01234567890123456789
<fred                >
```

- you might wish to start with this program an adapt it:

```
#!/usr/bin/python

import struct
import getpass

print " 01234567890123456789"
print "<",
username = getpass.getuser()
print username,
print ">",
```

## Write a Python program to output your UID as two bytes in network order

- again you might wish to adapt this program:

```
#!/usr/bin/python

import struct
import os

print os.getuid()
```