CREATING A CONNECTION

This creates a connection so that you can interact with the server.

```
import boto
import boto.s3.connection
access_key = 'put your access key here!'
secret_key = 'put your secret key here!'

conn = boto.connect_s3(
    aws_access_key_id = access_key,
    aws_secret_access_key = secret_key,
    host = 'objects.dreamhost.com',
    #is_secure=False,  # uncommmnt if you are not using ssl
    calling_format = boto.s3.connection.OrdinaryCallingFormat(),
    )
```

LISTING OWNED BUCKETS

This gets a list of Buckets that you own. This also prints out the bucket name and creation date of each bucket.

The output will look something like this:

```
      mahbuckat1
      2011-04-21T18:05:39.000Z

      mahbuckat2
      2011-04-21T18:05:48.000Z

      mahbuckat3
      2011-04-21T18:07:18.000Z
```

CREATING A BUCKET

This creates a new bucket called my-new-bucket

```
bucket = conn.create_bucket('my-new-bucket')
```

LISTING A BUCKET'S CONTENT

This gets a list of objects in the bucket. This also prints out each object's name, the file size, and last modified date.

The output will look something like this:

```
myphoto1.jpg 251262 2011-08-08T21:35:48.000Z
```

DELETING A BUCKET

Note: The Bucket must be empty! Otherwise it won't work!

```
conn.delete_bucket(bucket.name)
```

FORCED DELETE FOR NON-EMPTY BUCKETS

Attention: not available in python

CREATING AN OBJECT

This creates a file hello.txt with the string "Hello World!"

```
key = bucket.new_key('hello.txt')
key.set_contents_from_string('Hello World!')
```

CHANGE AN OBJECT'S ACL

This makes the object hello.txt to be publicly readable, and secret_plans.txt to be private.

```
hello_key = bucket.get_key('hello.txt')
hello_key.set_canned_acl('public-read')
plans_key = bucket.get_key('secret_plans.txt')
plans_key.set_canned_acl('private')
```

DOWNLOAD AN OBJECT (TO A FILE)

This downloads the object perl_poetry.pdf and saves it in /home/larry/documents/

```
key = bucket.get_key('perl_poetry.pdf')
key.get_contents_to_filename('/home/larry/documents/perl_poetry.pdf')
```

DELETE AN OBJECT

This deletes the object goodbye.txt

```
bucket.delete_key('goodbye.txt')
```

GENERATE OBJECT DOWNLOAD URLS (SIGNED AND UNSIGNED)

This generates an unsigned download URL for hello.txt. This works because we made hello.txt public by setting the ACL above. This then generates a signed download URL for secret_plans.txt that will work for 1 hour. Signed download URLs will work for the time period even if the object is private (when the time period is up, the URL will stop working).

```
hello_key = bucket.get_key('hello.txt')
hello_url = hello_key.generate_url(0, query_auth=False, force_http=True)
print hello_url
```

```
plans_key = bucket.get_key('secret_plans.txt')
plans_url = plans_key.generate_url(3600, query_auth=True, force_http=True)
print plans_url
```

The output of this will look something like: