We can use jproperties module to read properties file in Python. A properties file contains key-value pairs in each line. The equals (=) works as the delimiter between the key and value. A line that starts with # is treated as a comment.

***Installing jproperties Library***

This module is not part of the standard installation. We can install jproperties module using PIP.

# pip install jproperties

***Reading Properties File in Python***

I have created a properties file for our example: app-config.properties.

# Database Credentials

DB\_HOST=localhost

DB\_SCHEMA=Test

DB\_User=root

DB\_PWD=root@neon

The first step is to import the Properties object into our Python program and instantiate it.

from jproperties import Properties

configs = Properties()

The next step is to load the properties file into our Properties object.

with open('app-config.properties', 'rb') as config\_file:

configs.load(config\_file)

Now, we can read a specific property using get() method or through the index. The Properties object is very similar to a Python Dictionary.

The value is stored in a PropertyTuple object, which is a named tuple of two values – data and meta. The jproperties support properties metadata too, but we are not interested in that here.

print(configs.get("DB\_User"))

Printing All the Properties

We can use the items() method to get a [collection](https://www.journaldev.com/19103/python-collections) of Tuple, which contains keys and corresponding **PropertyTuple** values.

items\_view = configs.items()

print(type(items\_view))

for item in items\_view:

    print(item)

Since we are looking to print key=value as the output, we can use the following code.

for item in items\_view:

print(item[0], '=', item[1].data)