

Downloading packages for subjects identified by a search

The following code fragment finds female subjects in the Q2 data release and downloads the preprocessed structural data for ten of them. This code shows a different interface to the XNAT search engine than the one described in the [ConnectomeDB-Python tutorial](#); see the [pyxnat search documentation](#) for details.

```
>>> import pyxnat
>>> cdb = pyxnat.Interface('https://db.humanconnectome.org', 'username', 'password')
>>> subjects = cdb.select('//subjects').where([('xnat:subjectData/GENDER', '=', 'female'), ('xnat:subjectData/PROJECTS', 'LIKE', '%Q2'), 'AND'])
>>> cdb.packages.download(subjects[:10], '3T_Structural_unproc')
```

Note: the slice notation `[:10]` applied to `subjects` in the last line depends on a feature added to the [HCP-customized pyxnat](#) in July 2013; if you have an older version, you'll need to update.