```
Read in a FITS file from disk
>>> from astropy.io import fits
>>> hdus = fits.open('sample.fits')
Access the header of the first HDU:
>>> hdus[0].header
SIMPLE =
                            Т
BITPIX =
                           -32
                           3
NAXTS =
NAXTS1 =
                           200
NAXIS2 =
                           200
NAXIS2 =
                           10
EXTEND =
                             Т
Access the shape of the data in the first HDU:
>>> hdus[0].data.shape
(10, 200, 200)
Update/add header keywords
>>> hdus[0].header['TELESCOP'] = 'Python'
>>> hdus[0].header['INSTRUME'] = 'Computer'
Multiply data by 1.2
>>> hdus[0].data *= 1.2
Write out to disk
>>> hdus.writeto('new_file.fits')
```