:mod:`sndhdr` --- Determine type of sound file

Source code: :source:`Lib/sndhdr.py`

The :mod:`sndhdr` provides utility functions which attempt to determine the type of sound data which is in a file. When these functions are able to determine what type of sound data is stored in a file, they return a :func:`~collections.namedtuple`, containing five attributes: (`filetype`, `framerate`, `nchannels`, `nframes`, `sampwidth`). The value for *type* indicates the data type and will be one of the strings `'aifc'`, `'aiff'`, `'au'`, `'hcom'`, `'sndr'`, `'sndt'`, `'voc'`, `'wav'`, `'8svx'`, `'sb'`, `'ub'`, or `'ul'`. The *sampling_rate* will be either the actual value or `0` if unknown or difficult to decode. Similarly, *channels* will be either the number of channels or `0` if it cannot be determined or if the value is difficult to decode. The value for *frames* will be either the number of frames or `-1`. The last item in the tuple, *bits_per_sample*, will either be the sample size in bits or `'A'` for A-LAW or `'U'` for u-LAW.

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```
.. function:: what(filename)

   Determines the type of sound data stored in the file *filename* using
   :func:`whathdr`.  If it succeeds, returns a namedtuple as described above, otherwise
   ``None`` is returned.

   .. versionchanged:: 3.5
      Result changed from a tuple to a namedtuple.
```

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```
.. function:: whathdr(filename)

   Determines the type of sound data stored in a file based on the file  header.
   The name of the file is given by *filename*.  This function returns a namedtuple as
   described above on success, or ``None``.

   .. versionchanged:: 3.5
      Result changed from a tuple to a namedtuple.
```