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In [1]: # Name of Creator
    CREATOR_NAME = "Jingheng Wang"
```

Similar to the previous question, we provided a "viewer" file to display our csv file as a human-reader-friendly format. This file takes the "wikiword_table_new.csv" and a kanji, displaying words in that 20K list using this kanji, and their readings/meanings.

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In [2]: # Initialization
        import numpy as np
        import pandas as pd
        def offline init(k = None):
            if (k is None):
                _df_ = pd.read_csv("wikiword_table_new.csv")[["word", "reading", "meanin
        g"]]
            else:
                 df = pd.read csv("wikiword table {}.csv".format(k))[["word", "reading", "
        meaning"]]
            _sr_ = pd.read_csv("wikitionary_wordlist.csv")['word']
            return (_df_, _sr_)
        # x is a given kanji
        def offline_find_word(_sr_, x):
            #wlist = []
            wlist = {}
            wordlist_sep_char = [list(x) for x in _sr_]
            for i, li in enumerate(wordlist sep char):
                if (x in li):
                    #wlist.append( sr [i])
                    # Started from 0
                    wlist[i+1] = _sr_[i]
            return wlist
        # xl is a list of words
        def offline_word_info(_df_, xl):
            mask = np.array([False] * len( df ["word"]))
            for i, x in enumerate( df ['word']):
                if x in xl:
                    mask[i]=True
            return df [mask]
In [3]: # Modify me if you want to change the query kanji
```

```
In [3]: # Modify me if you want to change the query kanji
query_kanji = "床"

# Sample Kanjis
# 角 (angle / corner)
# 食 (eat)
# 目 (eye)
# 床 (bed / floor)
# 陸 (land)
```

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```
In [4]: # Get all words using that kanji. Return a dictionary, the key is the word's positi
    on in 20K list, the value is the word itself.
    _df_, _sr_ = offline_init()
    _wl_ = offline_find_word(_sr_, query_kanji)
    _wl_
```

Out[4]: {2424: '床', 5133: '臨床', 10507: '床下', 12774: '病床', 14797: '鉱床', 17101: '床面積'}

If some words are not shown here, it is because they do not have a webpage on jis ho dictionary.

Out[5]:

meaning	reading	word	
1. bed; bedding $2.sickbed$ 3. alcove \$4. riverb	とこ	床	3189
1. floor\$2. stage (for the narrator and the sh	ゆか	床	3190
1. counter for beds\$	しょう	床	3191
1. Yuka\$	ゆか	床	3192
1. clinical (e.g. pathology, physiology)\$	りんしょう	臨床	6271
1. under the floor\$	ゆかした	床下	11778
1. sickbed; (hospital) bed\$	びょうしょう	病床	13960
1. mineral deposit; ore deposit\$2. Deposition	こうしょう	鉱床	15829
1. floor space\$	ゆかめんせき	床面積	17806

In []:

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