

```
# This program reads the data from the states tsv file

# Each line has the state name, abbreviation, postal code, area and population.

# It stores the items in each line in a dictionary whose keys represent the column names.

# It print the state name, abbreviation and population for each state.
```

```
import csv
```

```
infile = 'states_data.tsv'
```

```
# create new empty list
```

```
statesList = []
```

```
with open(infile, 'rU') as csvfile:
```

```
    # the csv file reader returns a list of the csv items on each line
```

```
    stateReader = csv.reader(csvfile, dialect='excel', delimiter='\t')
```

```
    # from each line, a list of row items, put each element in a dictionary
```

```
    # with a key representing the data
```

```
    for line in stateReader:
```

```
        # skip lines without data, specific for each file to catch non-data lines
```

```
        if line[0] == " or line[0].startswith('Data') or line[0].startswith('*'):
```

```
            continue
```

```
        else:
```

```
            # create a dictionary for each state
```

```
            state = { }
```

```
            # add each piece of data under a key representing that column data
```

```
            state['name'] = line[0]
```

```
            state['abbrev'] = line[1]
```

```
            state['code'] = line[2]
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```
            state['area'] = int(line[3].replace(',',''))
```

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state['pop'] = int(line[4].replace(',',''))

# add this state to the list

statesList.append(state)

csvfile.close()

print ("Read", len(statesList), "state data")

# print a few fields from all of the states read from the file

for state in statesList:

    print ('State:', state['name'], ' Abrv: ', state['abbrev'], ' Population: ', state['pop'])

```

Results from running the program:

```

Read 52 state data
State: Alabama Abrv: Ala. Population: 4040587
State: Alaska Abrv: Alaska Population: 550043
State: Arizona Abrv: Ariz. Population: 3665228
State: Arkansas Abrv: Ark. Population: 2350725
State: California Abrv: Calif. Population: 29769021
State: Colorado Abrv: Colo. Population: 3294394
State: Connecticut Abrv: Conn. Population: 3287116
State: Delaware Abrv: Del. Population: 666168
State: District of Columbia Abrv: D.C. Population: 606900
State: Florida Abrv: Fla. Population: 12937926
State: Georgia Abrv: Ga. Population: 6478216
State: Hawaii Abrv: Hawaii Population: 1108229
State: Idaho Abrv: Idaho Population: 1006749
State: Illinois Abrv: Ill. Population: 11430602
State: Indiana Abrv: Ind. Population: 5544159
State: Iowa Abrv: Iowa Population: 2776755
State: Kansas Abrv: Kans. Population: 2477574
State: Kentucky Abrv: Ky. Population: 3685296
State: Louisiana Abrv: La. Population: 4219973
State: Maine Abrv: Maine Population: 1227928
State: Maryland Abrv: Md. Population: 4781468
State: Massachusetts Abrv: Mass. Population: 6016425
State: Michigan Abrv: Mich. Population: 9295297
State: Minnesota Abrv: Minn. Population: 4375099
State: Mississippi Abrv: Miss. Population: 2573216
State: Missouri Abrv: Mo. Population: 5117073
State: Montana Abrv: Mont. Population: 799065

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State: Nebraska Abrv: Nebr. Population: 1578385
State: Nevada Abrv: Nev. Population: 1201833
State: New Hampshire Abrv: N.H. Population: 1109252
State: New Jersey Abrv: N.J. Population: 7730188
State: New Mexico Abrv: N.Mex. Population: 1515069
State: New York Abrv: N.Y. Population: 17990455
State: North Carolina Abrv: N.C. Population: 6628637
State: North Dakota Abrv: N.Dak. Population: 638800
State: Ohio Abrv: Ohio Population: 10847115
State: Oklahoma Abrv: Okla. Population: 3145585
State: Oregon Abrv: Oreg. Population: 2842321
State: Pennsylvania Abrv: Pa. Population: 11881643
State: Rhode Island Abrv: R.I. Population: 1003464
State: South Carolina Abrv: S.C. Population: 3468703
State: South Dakota Abrv: S.Dak. Population: 696004
State: Tennessee Abrv: Tenn. Population: 4877185
State: Texas Abrv: Tex. Population: 16986510
State: Utah Abrv: Utah Population: 1722850
State: Vermont Abrv: Vt. Population: 562758
State: Virginia Abrv: Va. Population: 6187358
State: Washington Abrv: Wash. Population: 4866692
State: West Virginia Abrv: W.Va. Population: 1793477
State: Wisconsin Abrv: Wis. Population: 4891769
State: Wyoming Abrv: Wyo. Population: 453588
State: United States Abrv: Population: 248691873