This Notebook code will guide you to learn about the python coding for read and write of the file

```
fileref = open("json_schema.txt", 'r')
lines = fileref.readlines()
for lin in lines[:80]:
  print(lin)
fileref.close()
```

```
    ],
    "bib_entries": {
        "BIBREF0": {
            "ref_id": <str>,
            "title": <str>,
            "authors": <list of dict>       # same structure as earlier,
                                            # but without `affiliation` or `email`
            "year": <int>,
            "venue": <str>,
            "volume": <str>,
            "issn": <str>,
            "pages": <str>,
            "other_ids": {
                "DOI": [
                    <str>
                ]
            }
        },
        "BIBREF1": {},
        ...
        "BIBREF25": {}
    },
    "ref_entries":
        "FIGREF0": {
            "text": <str>,                  # figure caption text
            "type": "figure"
        },
        ...
        "TABREF13": {
```

Now read a json file from the folder and print all the lines

```
fileref2 = open("sample_data/anscombe.json", 'r')
lines = fileref2.readlines()
for lin in lines:
  print(lin)
fileref2.close()
```

```
  {"Series":"II", "X":4.0, "Y":3.10},
  {"Series":"II", "X":12.0, "Y":9.13},
  {"Series":"II", "X":7.0, "Y":7.26},
  {"Series":"II", "X":5.0, "Y":4.74},

  {"Series":"III", "X":10.0, "Y":7.46},
  {"Series":"III", "X":8.0, "Y":6.77},
  {"Series":"III", "X":13.0, "Y":12.74},
  {"Series":"III", "X":9.0, "Y":7.11},
  {"Series":"III", "X":11.0, "Y":7.81},
  {"Series":"III", "X":14.0, "Y":8.84},
  {"Series":"III", "X":6.0, "Y":6.08},
  {"Series":"III", "X":4.0, "Y":5.39},
  {"Series":"III", "X":12.0, "Y":8.15},
  {"Series":"III", "X":7.0, "Y":6.42},
  {"Series":"III", "X":5.0, "Y":5.73},

  {"Series":"IV", "X":8.0, "Y":6.58},
  {"Series":"IV", "X":8.0, "Y":5.76},
  {"Series":"IV", "X":8.0, "Y":7.71},
  {"Series":"IV", "X":8.0, "Y":8.84},
  {"Series":"IV", "X":8.0, "Y":8.47},
  {"Series":"IV", "X":8.0, "Y":7.04},
  {"Series":"IV", "X":8.0, "Y":5.25},
  {"Series":"IV", "X":19.0, "Y":12.50},
  {"Series":"IV", "X":8.0, "Y":5.56},
  {"Series":"IV", "X":8.0, "Y":7.91},
  {"Series":"IV", "X":8.0, "Y":6.89}
]
```

Read a csv file

```
fileref3 = open("sample_data/mnist_train_small.csv", 'r')
lines = fileref3.readlines()
for lin in lines[:100]:
  print(lin)
fileref3.close()
```