

# Highest Scores

## Problem Text:

Given a data file containing scored records, in your favorite programming language, write a program to output the N highest record IDs by score, highest score first. The output should be correctly formatted JSON.

The input data file has a record per line. Each line has the following structure:

```
<score>: <json dictionary>
```

The JSON can be any kind of well structured JSON doc, with the obvious exception of no line breaks. Besides needing to be well-formed without line breaks, the only requirement is that the dictionary contains a "id" key which uniquely defines that data row (you can assume uniqueness of ids in the data set). If the JSON part of the record does not have an "id" key it should be considered an input formatting error and handled as described below.

```
8795136: {"id": "d2e257c282b54347ac14b2d8d0da814c", "x": "foo", "y": 7, "z": 11,
"payload": "some large amount of data"}
5317020: {"id": "619236365add4a0ca6e501fc62cfbaba", "type": "purple", "payload": "some
small amount of data"}
...
```

An example program execution is:

```
$ ./highest.py score_recs.data 5
[
  {
    "score": 16774838,
    "id": "9ab7247c02044c65936a467016fff6b6"
  },
  {
    "score": 16763774,
    "id": "c51a310f80604ef68a4cb2b83bffc7e"
  },
  {
    "score": 16761021,
    "id": "c1dbd109336242e0a64527ba8cffc0bd"
  },
  {
    "score": 16755441,
    "id": "57b9ea55db954cbc8f452b34a2ffaaf1"
  },
  {
    "score": 16753041,
    "id": "e8cafaf8cf2b41639422781fbdf191"
  }
]
```

Upon successful running, the program should exit with exit code 0. Input formatting errors should exit with code 2 while file not found should exit with code 1. Empty lines should be ignored rather than treated as improperly formatted.