

**Download “Books 5-core (8,898,041 reviews)” From the link
“<http://jmcauley.ucsd.edu/data/amazon/>” and insert directly to MongoDB using
mongoimport command**

`mongoimport --db mydb --collection Books --type json --file
'/home/sgdmd/Downloads/Books_5.json'`

**Use ‘OR’ operation to show only the ‘summary’ and ‘overall’ columns with overall rating
1 or 3 or 5**

```
db.Books.find( { $or: [ { 'overall': 1 }, { 'overall': 3 }, { 'overall': 5 } ] }, { '_id': 0, 'summary': 1,  
'overall': 1 } );
```

OUTPUT -

```
mydb> db.Books.find( { $or: [ { 'overall': 1 }, { 'overall': 3 }, { 'overall': 5 } ] }, { '_id': 0, 'summary': 1, 'overall': 1 } );
[
  { overall: 5, summary: 'Wonderful!' },
  { overall: 5, summary: 'Must Read for Life Afficianados' },
  {
    overall: 5,
    summary: 'Timeless for every good and bad time in your life.'
  },
  { overall: 5, summary: 'A Modern Rumi' },
  { overall: 5, summary: 'This book will bring you peace' },
  { overall: 5, summary: 'Graet Work' },
  { overall: 5, summary: 'Such Beauty' },
  { overall: 5, summary: 'The Prophet' },
  { overall: 5, summary: 'A Modern Classic' },
  {
    overall: 5,
    summary: 'Perhaps the greatest book that I have ever read'
  },
  { overall: 5, summary: 'Great classic that everyone should read' },
  { overall: 5, summary: 'Amazing' },
  { overall: 5, summary: 'Everyone should have this book' },
  { overall: 5, summary: 'A book everyone &#34;should&#34; read' },
  { overall: 5, summary: 'phenomenal piece of literature!' },
  {
    overall: 5,
    summary: 'textured paper, old-style typography, and leather cover'
  },
  { overall: 5, summary: 'Flawless' },
  { overall: 5, summary: '"The Prophet" is cool' },
  { overall: 5, summary: 'Enchanting' },
  { overall: 5, summary: 'Just beautiful.' }
```

```
{ overall: 3, summary: "Not sure you'll get much from it" },
{ overall: 5, summary: 'It Just Expresses Life the Way it Should..' },
{ overall: 5, summary: 'Beautiful philosophy' },
{ overall: 5, summary: 'Classic Inspiration' },
{ overall: 5, summary: 'Cannot Be Compared' },
{ overall: 5, summary: 'Wisdom and Truth' },
{ overall: 5, summary: 'Very well read' },
{ overall: 5, summary: 'A Beautiful Classic to Cherish' },
{ overall: 5, summary: 'prophetic beauty, undeniable truth' },
{ overall: 5, summary: 'Short, yet so deep and inspiring' },
{ overall: 3, summary: 'Inspirational...' },
{ overall: 1, summary: 'Read your Bible, not this book!' },
{ overall: 5, summary: 'Mystic masterpiece' },
{ overall: 1, summary: 'Pompous, Pretentious, Platitudes' },
{
  overall: 5,
  summary: 'From my mother to me, and now to my daughter: words that help.'
},
{ overall: 5, summary: 'A Masterpiece to Mankind...' },
{ overall: 5, summary: 'The Invisible Revealed' },
{ overall: 5, summary: 'WHAT CAN I SAY' },
{ overall: 5, summary: 'People's Poet' },
{
  overall: 5,
  summary: 'one of the most classic, profound, timeless, eloquent pieces of literature of all time'
}
```

```
mydb> db.Books.find({ $and: [ { 'overall': { $gt: 1 } }, { 'overall' : { $lt: 3 } }, { 'reviewerName': { $exists: true } } ], { '_id': 0, 'reviewerName': 1, 'overall': 1 } }).sort({'reviewerName':1});
```

Group by 'reviewerName' to show the minimum 'overall' rating they posted.

```
db.Books.aggregate([ { $group: { _id: "$reviewerName", minOverallRating: { $min: "$overall" } } } ] )
```

OUTPUT -

```
mydb> db.Books.aggregate([ { $group: { _id: "$reviewerName", minOverallRating: { $min: "$overall" } } } ] )

[
  { _id: 'Raffeer', minOverallRating: 1 },
  { _id: 'J. Boice "13Bentarm"', minOverallRating: 4 },
  { _id: 'Tristan-Marlowe "dofaust"', minOverallRating: 1 },
  { _id: 'Anieca', minOverallRating: 4 },
  { _id: 'shannon capelle', minOverallRating: 5 },
  { _id: 'mizwilson', minOverallRating: 3 },
  { _id: 'jhwade', minOverallRating: 2 },
  { _id: 'Wayne Mones', minOverallRating: 4 },
  { _id: 'Virgil Dahlstrom "vasind"', minOverallRating: 4 },
  { _id: 'Shiffa', minOverallRating: 3 },
  { _id: 'Carol Riggs', minOverallRating: 4 },
  { _id: 'Sharon D Gray', minOverallRating: 1 },
  { _id: 'Ajoyful43', minOverallRating: 1 },
  { _id: 'david lykens "mx998"', minOverallRating: 1 },
  { _id: 'Jeraca', minOverallRating: 1 },
  { _id: 'mrsdepass', minOverallRating: 1 },
  { _id: 'B. PARMENTER', minOverallRating: 4 },
  { _id: 'Va Reader "VA Reader"', minOverallRating: 2 },
  { _id: 'Gayle J Dixon', minOverallRating: 2 },
  { _id: 'Phyllis Stearn', minOverallRating: 3 }
]
```

Group by 'Helpful' to show the 'total number' of entries found for different 'Helpful' data, sorted by descending order of the 'total number'

```
db.Books.aggregate([ { $group: { _id: "$helpful", totalEntries: { $sum: 1 } } }, { $sort: { totalEntries: -1 } } ] )
```

OUTPUT -

```
mydb> db.Books.aggregate([ { $group: { _id: "$helpful", totalEntries: { $sum: 1 } } }, { $sort: { totalEntries: -1 } } ] )
[
  { _id: [ 0, 0 ], totalEntries: 4141204 },
  { _id: [ 1, 1 ], totalEntries: 1252531 },
  { _id: [ 2, 2 ], totalEntries: 417520 },
  { _id: [ 0, 1 ], totalEntries: 397492 },
  { _id: [ 1, 2 ], totalEntries: 308815 },
  { _id: [ 3, 3 ], totalEntries: 195259 },
  { _id: [ 2, 3 ], totalEntries: 169643 },
  { _id: [ 4, 4 ], totalEntries: 111651 },
  { _id: [ 3, 4 ], totalEntries: 109987 },
  { _id: [ 0, 2 ], totalEntries: 80453 },
  { _id: [ 1, 3 ], totalEntries: 77696 },
  { _id: [ 5, 5 ], totalEntries: 70575 },
  { _id: [ 4, 5 ], totalEntries: 66083 },
  { _id: [ 2, 4 ], totalEntries: 60946 },
  { _id: [ 6, 6 ], totalEntries: 48368 },
  { _id: [ 3, 5 ], totalEntries: 44797 },
  { _id: [ 5, 6 ], totalEntries: 44331 },
  { _id: [ 7, 7 ], totalEntries: 34470 },
  { _id: [ 6, 7 ], totalEntries: 32278 },
  { _id: [ 4, 6 ], totalEntries: 31738 }
]
Type "it" for more
mydb> it
[
  { _id: [ 1, 4 ], totalEntries: 28451 },
  { _id: [ 0, 3 ], totalEntries: 26955 },
  { _id: [ 5, 7 ], totalEntries: 26306 },
  { _id: [ 8, 8 ], totalEntries: 25316 },
  { _id: [ 2, 5 ], totalEntries: 24383 },
  { _id: [ 7, 8 ], totalEntries: 24065 },
  { _id: [ 3, 6 ], totalEntries: 20022 },
  { _id: [ 9, 9 ], totalEntries: 19616 },
  { _id: [ 6, 8 ], totalEntries: 18982 },
  { _id: [ 8, 9 ], totalEntries: 18403 },
  { _id: [ 4, 7 ], totalEntries: 16531 }
]
```

Show 'Review Text' that contains at least one numeric value.

```
db.Books.find({ "reviewText": { $regex: /\d+/ } }, { "_id": 0, "reviewText": 1 })
```

OUTPUT -

```
mydb> db.Books.find({ "reviewText": { $regex: /\d+/ } }, { "_id": 0, "reviewText": 1 })
[
  {
    reviewText: "I first read THE PROPHET in college back in the 60's. The book had a revival as did anything metaphysical in the turbulent 60's. It had a profound effect on me a
joined the Peace Corps and during stressful training in country (Liberia) at times of illness and the night before I left, this book gave me great comfort. I read it before I mar
again after two near fatal illnesses. I am always amazed that there is a chapter that reaches out to you, grabs you and offers both comfort and hope for the future.Gibran offers
as a nation should read AND learn the lessons here. It is definitely a time for thought and reflection this book could guide us through."
  },
  {
    reviewText: "An amazing work. Realizing extensive use of Biblical imagery and sentence structure, &#34;The Prophet&#34; by Khalil Gibran is a literary classic. Influencing th
plores themes of love, longing and loss."
  },
  {
    reviewText: "When I was in college in the 70's this book had a revival and I did not read it then. Recently a friend (who is 90) and I were talking about work and she said:
rom the Prophet. I though that was so beautiful I got the book and was not disappointed.You see, if you have ideas and you do not realize them, then they are nothing, and if you
and what they produce will be bitter, but if they flow from love and joy, then their realization will be love and joy, thus work is love made visible.He says it WAY better that
ou can see from the example, what he says is not religious, but positive ways of looking at things. Since I rediscovered the book I have given away many copies and everyone I hav
  },
  {
    reviewText: "I discovered The Prophet fifty years ago in college and have read it dozens of times since then. Now, in addition to my beat up hard copy, I have a portable e-c
y designed (pun intended) book of spiritual guidance, this would be it. It doesn't care how you picture, name or define &#34;God&#34; or whether you give him a gender and a pers
to relate to others. If Jesus and the Buddha teamed up to write a book, it might come out like this.When I first read it, I found some passages difficult to grasp. Looking back
erstand, but because I did not want to hear gently spoken, intelligently phrased ideas that contradicted my own. Now, if I could have only one book, this would probably be it."
  },
  {
    reviewText: "Can't say enough about Kahlil Gibran's work among this piece. Everybody in the whole world should read this! There is almost too much to take in, really apprecia
st one of the most beautiful literature pieces ever written. Would recommend to as a gift for anyone spiritual/poetic/philosophy/educational piece or just something to enjoy here
  },
  {
    reviewText: "I have the 1972 version, bought in 1974. The 1972 version originally had a dust jacket but my dust jacket is long gone. This particular rendition has had many re
aper, old-style typography, and leather cover are better than a plain-old paperback. The size is diminutive, which is perfect for this book."
  },
  {
    reviewText: 'Cool book, I really like the quality of the production. Black clothbound with gold embossing and nice paper, looks to be cotton rag. I am proud to include it i
sion that does not cloud the mind or divert truth but instead is revealing and living. Very readable, the stories are short and highly economic so that one is likely to read for
It is full of timeless truths which are of lasting value to the reader and inform life. The language and delivery is familiar and of a quality that is reminiscent of a similar
```