# Problem 4 – Book Store

Write a PHP program that reads several **lines of information about books**, **filters the books in a given price range** and prints them in HTML **<div></div>** tags.

You will be given a **list**, **minimum price**, **maximum price**, **sort** and **order**. You must print **only the products in the price range between minimum and maximum price**. These products should be **sorted by genre, author or publish date** in **ascending**/**descending** order. If there **are equal genres or authors**, a **secondary sorting** should be performed by **publish date** in ascending order.

### Input

The input data should be read from an **HTTP GET request**. The product list will come from the **textarea 'text'**, holding each product on a separate line. The minimum and maximum price will come from input fields, respectively **'min-price'** and **'max-price'**. The sorting criteria will come from the input field **'sort'**. The order will come from the input field **'order'**.

### Output

Print each book with a price in the given range (inclusive). Each book should be printed in its own **<div></div>** tags. The book’s name should be printed in **<p></p>** tags. The other data should be printed as list items **<li></li>** in an unordered list **<ul></ul>**. The output should be exactly like in the example below. Ensure your output is properly encoded (use the **htmlspecialchars()** function).

### Constraints

* The books will be in the format **[author] /[name] /[genre] /[publish date] /[info]**.
* **Book prices** will be valid numbers in the range [0…100 000]. The symbol '**.**' will be used as decimal point.
* The sort criteria will be one of the following: **‘genre’, ‘author’, ‘publish date’.**
* The sorting can be either **ascending** or **descending**.

### Examples

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| --- | --- | --- | --- | --- | --- |
| **Input** | | | | | |
| minPrice | | 5.00 |  | sort | author |
| maxPrice | | 10.45 |  | order | ascending |
| text | Gambardella, Matthew/XML Developer's Guide/Computer/44.95/2000-10-01/An in-depth look at creating applications with XML.  Ralls, Kim/Midnight Rain/Fantasy/19.15/2000-12-16/A former architect battles corporate zombies, an evil sorceress, and her own childhood to become queen of the world.  Corets, Eva/Maeve Ascendant/Fantasy/6.95/2000-11-17/After the collapse of a nanotechnology society in England, the young survivors lay the foundation for a new society.  Corets, Eva/Oberon's Legacy/Fantasy/5.00/2001-03-10/In post-apocalypse England, the mysterious agent known only as Oberon helps to create a new life for the inhabitants of London. Sequel to Maeve Ascendant.  Randall, Cynthia/Lover Birds/Romance/5.95/2000-09-02/When Carla meets Paul at an ornithology conference, tempers fly as feathers get ruffled.  Thurman, Paula/Splish Splash/Romance/4.95/2000-11-02/A deep sea diver finds true love twenty thousand leagues beneath the sea.  O'Brien, Tim/Microsoft .NET: The Programming Bible/Computer/36.95/2000-12-09/Microsoft's .NET initiative is explored in detail in this deep programmer's reference.  O'Brien, Tim/MSXML3: A Comprehensive Guide/Computer/6.95/2000-12-01/The Microsoft MSXML3 parser is covered in detail, with attention to XML DOM interfaces, XSLT processing, SAX and more. | | | | |

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| --- |
| **Output** |
| <div><p>MSXML3: A Comprehensive Guide</p><ul><li>O'Brien, Tim</li><li>Computer</li><li>6.95</li><li>2000-12-01</li><li>The Microsoft MSXML3 parser is covered in detail, with attention to XML DOM interfaces, XSLT processing, SAX and more.</li></ul></div><div><p>Maeve Ascendant</p><ul><li>Corets, Eva</li><li>Fantasy</li><li>6.95</li><li>2000-11-17</li><li>After the collapse of a nanotechnology society in England, the young survivors lay the foundation for a new society.</li></ul></div><div><p>Oberon's Legacy</p><ul><li>Corets, Eva</li><li>Fantasy</li><li>5.00</li><li>2001-03-10</li><li>In post-apocalypse England, the mysterious agent known only as Oberon helps to create a new life for the inhabitants of London. Sequel to Maeve Ascendant.</li></ul></div><div><p>Lover Birds</p><ul><li>Randall, Cynthia</li><li>Romance</li><li>5.95</li><li>2000-09-02</li><li>When Carla meets Paul at an ornithology conference, tempers fly as feathers get ruffled.</li></ul></div> |