

1. List all the books
2. Display the books sorted according to year of publication, starting with the oldest one
3. Sort the books according to length in pages, starting with the shortest
4. Sort the books according to review ratings, starting with the highest rating
5. Ask user for a subject, and display all the books belonging to that specific subject
6. Search for a specific book by name, and display all the details if the book exists
7. Add a book to the list of books (ask the user for all the details)
8. Exit

Enter your choice: 1

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6  
Name: Book2, Year: 2000, Pages: 592, Subject: Programming, Rating: 8.4  
Name: Book3, Year: 1982, Pages: 386, Subject: Algorithms, Rating: 1.7  
Name: Book4, Year: 1990, Pages: 128, Subject: Algorithms, Rating: 0.2  
Name: Book5, Year: 1980, Pages: 891, Subject: Algorithms, Rating: 0.4  
Name: Book6, Year: 1989, Pages: 485, Subject: Algorithms, Rating: 7.3  
Name: Book7, Year: 1988, Pages: 426, Subject: Data Structures, Rating: 2.2  
Name: Book8, Year: 2005, Pages: 853, Subject: Programming, Rating: 1.3  
Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6  
Name: Book10, Year: 1987, Pages: 902, Subject: Programming, Rating: 6.9  
Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0  
Name: Book12, Year: 1993, Pages: 137, Subject: Operating Systems, Rating: 8.0  
Name: Book13, Year: 1995, Pages: 180, Subject: Programming, Rating: 9.1  
Name: Book14, Year: 1998, Pages: 892, Subject: Operating Systems, Rating: 7.0  
Name: Book15, Year: 1985, Pages: 198, Subject: Operating Systems, Rating: 6.8  
Name: Book16, Year: 2014, Pages: 242, Subject: Algorithms, Rating: 3.2  
Name: Book17, Year: 2006, Pages: 622, Subject: Operating Systems, Rating: 3.9  
Name: Book18, Year: 2010, Pages: 538, Subject: Operating Systems, Rating: 5.1  
Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8  
Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0

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Enter your choice: 2

Name: Book5, Year: 1980, Pages: 891, Subject: Algorithms, Rating: 0.4  
Name: Book3, Year: 1982, Pages: 386, Subject: Algorithms, Rating: 1.7  
Name: Book15, Year: 1985, Pages: 198, Subject: Operating Systems, Rating: 6.8  
Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0  
Name: Book10, Year: 1987, Pages: 902, Subject: Programming, Rating: 6.9  
Name: Book7, Year: 1988, Pages: 426, Subject: Data Structures, Rating: 2.2  
Name: Book6, Year: 1989, Pages: 485, Subject: Algorithms, Rating: 7.3  
Name: Book4, Year: 1990, Pages: 128, Subject: Algorithms, Rating: 0.2  
Name: Book12, Year: 1993, Pages: 137, Subject: Operating Systems, Rating: 8.0  
Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6  
Name: Book13, Year: 1995, Pages: 180, Subject: Programming, Rating: 9.1  
Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8  
Name: Book14, Year: 1998, Pages: 892, Subject: Operating Systems, Rating: 7.0  
Name: Book2, Year: 2000, Pages: 592, Subject: Programming, Rating: 8.4  
Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0  
Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6  
Name: Book8, Year: 2005, Pages: 853, Subject: Programming, Rating: 1.3

Name: Book17, Year: 2006, Pages: 622, Subject: Operating Systems, Rating: 3.9

Name: Book18, Year: 2010, Pages: 538, Subject: Operating Systems, Rating: 5.1

Name: Book16, Year: 2014, Pages: 242, Subject: Algorithms, Rating: 3.2

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Enter your choice: 3

Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0

Name: Book4, Year: 1990, Pages: 128, Subject: Algorithms, Rating: 0.2

Name: Book12, Year: 1993, Pages: 137, Subject: Operating Systems, Rating: 8.0

Name: Book13, Year: 1995, Pages: 180, Subject: Programming, Rating: 9.1

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6

Name: Book15, Year: 1985, Pages: 198, Subject: Operating Systems, Rating: 6.8

Name: Book16, Year: 2014, Pages: 242, Subject: Algorithms, Rating: 3.2

Name: Book3, Year: 1982, Pages: 386, Subject: Algorithms, Rating: 1.7

Name: Book7, Year: 1988, Pages: 426, Subject: Data Structures, Rating: 2.2

Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0

Name: Book6, Year: 1989, Pages: 485, Subject: Algorithms, Rating: 7.3

Name: Book18, Year: 2010, Pages: 538, Subject: Operating Systems, Rating: 5.1

Name: Book2, Year: 2000, Pages: 592, Subject: Programming, Rating: 8.4

Name: Book17, Year: 2006, Pages: 622, Subject: Operating Systems, Rating: 3.9

Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6

Name: Book8, Year: 2005, Pages: 853, Subject: Programming, Rating: 1.3

Name: Book5, Year: 1980, Pages: 891, Subject: Algorithms, Rating: 0.4

Name: Book14, Year: 1998, Pages: 892, Subject: Operating Systems, Rating: 7.0

Name: Book10, Year: 1987, Pages: 902, Subject: Programming, Rating: 6.9

Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8

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Enter your choice: 4

Name: Book13, Year: 1995, Pages: 180, Subject: Programming, Rating: 9.1

Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6

Name: Book2, Year: 2000, Pages: 592, Subject: Programming, Rating: 8.4

Name: Book12, Year: 1993, Pages: 137, Subject: Operating Systems, Rating: 8.0

Name: Book6, Year: 1989, Pages: 485, Subject: Algorithms, Rating: 7.3

Name: Book14, Year: 1998, Pages: 892, Subject: Operating Systems, Rating: 7.0

Name: Book10, Year: 1987, Pages: 902, Subject: Programming, Rating: 6.9

Name: Book15, Year: 1985, Pages: 198, Subject: Operating Systems, Rating: 6.8

Name: Book18, Year: 2010, Pages: 538, Subject: Operating Systems, Rating: 5.1

Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8

Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6

Name: Book17, Year: 2006, Pages: 622, Subject: Operating Systems, Rating: 3.9

Name: Book16, Year: 2014, Pages: 242, Subject: Algorithms, Rating: 3.2

Name: Book7, Year: 1988, Pages: 426, Subject: Data Structures, Rating: 2.2

Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0

Name: Book3, Year: 1982, Pages: 386, Subject: Algorithms, Rating: 1.7

Name: Book8, Year: 2005, Pages: 853, Subject: Programming, Rating: 1.3

Name: Book5, Year: 1980, Pages: 891, Subject: Algorithms, Rating: 0.4

Name: Book4, Year: 1990, Pages: 128, Subject: Algorithms, Rating: 0.2

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7. Add a book to the list of books (ask the user for all the details)
8. Exit

Enter your choice: 5

Enter subject: Gaming

Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6

Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8

Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6

Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0

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6. Search for a specific book by name, and display all the details if the book exists
7. Add a book to the list of books (ask the user for all the details)
8. Exit

Enter your choice: 6

Enter book name: Book1

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6

1. List all the books
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6. Search for a specific book by name, and display all the details if the book exists
7. Add a book to the list of books (ask the user for all the details)
8. Exit

Enter your choice: 7

Enter the book name:

Matilda

Enter the year of publication:

1988

Enter the number of pages:

232

Enter the subject:

Fantasy

Enter the review rating:

8.6

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8. Exit

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Name: Book13, Year: 1995, Pages: 180, Subject: Programming, Rating: 9.1

Name: Book20, Year: 2002, Pages: 429, Subject: Gaming, Rating: 9.0

Name: Book1, Year: 1994, Pages: 183, Subject: Gaming, Rating: 8.6

Name: Book2, Year: 2000, Pages: 592, Subject: Programming, Rating: 8.4

Name: Book12, Year: 1993, Pages: 137, Subject: Operating Systems, Rating: 8.0

Name: Book6, Year: 1989, Pages: 485, Subject: Algorithms, Rating: 7.3

Name: Book14, Year: 1998, Pages: 892, Subject: Operating Systems, Rating: 7.0

Name: Book10, Year: 1987, Pages: 902, Subject: Programming, Rating: 6.9

Name: Book15, Year: 1985, Pages: 198, Subject: Operating Systems, Rating: 6.8

Name: Book18, Year: 2010, Pages: 538, Subject: Operating Systems, Rating: 5.1

Name: Book19, Year: 1997, Pages: 936, Subject: Gaming, Rating: 4.8

Name: Book9, Year: 2004, Pages: 789, Subject: Gaming, Rating: 4.6

Name: Book17, Year: 2006, Pages: 622, Subject: Operating Systems, Rating: 3.9

Name: Book16, Year: 2014, Pages: 242, Subject: Algorithms, Rating: 3.2

Name: Book7, Year: 1988, Pages: 426, Subject: Data Structures, Rating: 2.2

Name: Book11, Year: 1986, Pages: 78, Subject: Gaming, Rating: 2.0

Name: Book3, Year: 1982, Pages: 386, Subject: Algorithms, Rating: 1.7

Name: Book8, Year: 2005, Pages: 853, Subject: Programming, Rating: 1.3

Name: Book5, Year: 1980, Pages: 891, Subject: Algorithms, Rating: 0.4

Name: Book4, Year: 1990, Pages: 128, Subject: Algorithms, Rating: 0.2

Name: Matilda, Year: 1988, Pages: 232, Subject: Fantasy, Rating: 8.6

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