
0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit

Enter your choice: 0

All Books

ISBN: 9789750708627, Title: Degirmen, Author: Sabahattin Ali, Publication Year: 1935
ISBN: 9789753638015, Title: Ince Memed, Author: Yasar Kemal, Publication Year: 1955
ISBN: 9789750812502, Title: Istanbul Hatirasi, Author: Ahmet Umit, Publication Year: 1996
ISBN: 9789750727246, Title: Dokuzuncu Hariciye Kogusu, Author: Peyami Safa, Publication Year: 1939
ISBN: 9789755701696, Title: Serce, Author: Murat Mentesh, Publication Year: 2004
ISBN: 9789755106643, Title: Saatleri Ayarlama Enstitusu, Author: Ahmet Hamdi Tanpinar, Publication Year: 1961
ISBN: 9786055023176, Title: Ask-i Memnu, Author: Halit Ziya Usakligil, Publication Year: 1899
ISBN: 9789750700409, Title: Tutunamayanlar, Author: Oguz Atay, Publication Year: 1972
ISBN: 9789750700942, Title: Icimizdeki Seytan, Author: Sabahattin Ali, Publication Year: 1940
ISBN: 9789750801759, Title: Esir Sehrin Insanlari, Author: Halide Edip Adivar, Publication Year: 1929
ISBN: 9789751402108, Title: Kuyucakli Yusuf, Author: Sabahattin Ali, Publication Year: 1937
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ISBN: 9789753635007, Title: Istanbul Hikayeleri, Author: Mustafa Kutlu, Publication Year: 1997
ISBN: 9789750729608, Title: Calikusu, Author: Resat Nuri Guntekin, Publication Year: 1922
ISBN: 9789750717216, Title: Yaban, Author: Yakup Kadri Karaosmanoglu, Publication Year: 1932
ISBN: 9789759922677, Title: Hasretinden Prangalar Eskittim, Author: Ahmed Arif, Publication Year: 1984
ISBN: 9789751400166, Title: Kiralik Konak, Author: Yakup Kadri Karaosmanoglu, Publication Year: 1932
ISBN: 9789754060408, Title: Kuyucakli Yusuf, Author: Sabahattin Ali, Publication Year: 1937
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ISBN: 9789759950038, Title: Sirca Kosk, Author: Sabahattin Ali, Publication Year: 1947
ISBN: 9786055016130, Title: Ince Memed, Author: Yasar Kemal, Publication Year: 1955
ISBN: 9786051111459, Title: Kurk Mantolu Madonna, Author: Sabahattin Ali, Publication Year: 1943
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ISBN: 9789753306553, Title: Orta Direk, Author: Ahmet Hamdi Tanpinar, Publication Year: 1944
ISBN: 9789759950748, Title: Calikusu, Author: Resat Nuri Guntekin, Publication Year: 1922
ISBN: 9789750721688, Title: Icimizdeki Seytan, Author: Sabahattin Ali, Publication Year: 1940
ISBN: 9789755390012, Title: Demiryolu Hikayecileri, Author: Sait Faik Abasiyanik, Publication Year: 1953

Enter your choice: 0

All Books

ISBN: 9789750708627, Title: Degirmen, Author: Sabahattin Ali, Publication Year: 1935
ISBN: 9789753638015, Title: Ince Memed, Author: Yasar Kemal, Publication Year: 1955
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ISBN: 9789755390012, Title: Demiryolu Hikayecileri, Author: Sait Faik Abasiyanik, Publication Year: 1953

- 0. Display all books
- 1. Add book
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- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: █

ISBN: 9789751412343, Title: Yaban, Author: Yakup Kadri Karaosmanoglu, Publication Year: 1932
ISBN: 9789753306553, Title: Orta Direk, Author: Ahmet Hamdi Tanpinar, Publication Year: 1944
ISBN: 9789759950748, Title: Calikusu, Author: Resat Nuri Guntekin, Publication Year: 1922
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- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 1

ISBN: 9789755397828

Title: Nutuk

Author: Mustafa Kemal Ataturk

Publication Year: 1927

Method (FIFO: 0, LIFO: 1): 0

Book added succesfully!

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 0

All Books

ISBN: 9789750708627, Title: Degirmen, Author: Sabahattin Ali, Publication Year: 1935

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ISBN: 9789755701696, Title: Serce, Author: Murat Mentesh, Publication Year: 2004

All Books

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ISBN: 9789755390012, Title: Demiryolu Hikayecileri, Author: Sait Faik Abasiyanik, Publication Year: 1953
ISBN: 9789755397828, Title: Nutuk, Author: Mustafa Kemal Ataturk, Publication Year: 1927

0. Display all books

1. Add book

2. Add student

3. List borrowed book

4. Delete a book

5. Update a book

6. Filter and sort books

7. Reverse book list

8. Search books

9. Borrow or return a book

10. Exit

Enter your choice:

2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit

Enter your choice: 1
ISBN: 9789755374620
Title: Fatih Terim
Author: Ersun Ciplak
Publication Year: 2013
Method (FIFO: 0, LIFO: 1): 1
Book added succesfully!

0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit

Enter your choice: 0
All Books
ISBN: 9789755374620, Title: Fatih Terim, Author: Ersun Ciplak, Publication Year: 2013
ISBN: 9789750708627, Title: Degirmen, Author: Sabahattin Ali, Publication Year: 1935
ISBN: 9789753638015, Title: Ince Memed, Author: Yasar Kemal, Publication Year: 1955
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ISBN: 9789750700409, Title: Tutunamayanlar, Author: Oguz Atay, Publication Year: 1972
ISBN: 9789750700942, Title: Icimizdeki Seytan, Author: Sabahattin Ali, Publication Year: 1940
ISBN: 9789750801759, Title: Esir Sehrin Insanlari, Author: Halide Edip Adivar, Publication Year: 1929
ISBN: 9789751402108, Title: Kuyucakli Yusuf, Author: Sabahattin Ali, Publication Year: 1937
ISBN: 9789750732004, Title: Demiryolu Hikayecileri, Author: Sait Faik Abasiyanik, Publication Year: 1953
ISBN: 9789753635007, Title: Istanbul Hikayeleri, Author: Mustafa Kutlu, Publication Year: 1997

hw10 > ≡ books.txt

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2 9789753638015,Ince Memed,Yasar Kemal,1955,0
3 9789750812502,Istanbul Hatirasi,Ahmet Umit,1996,0
4 9789750727246,Dokuzuncu Hariciye Kogusu,Peyami Safa,1939,0
5 9789755701696,Serce,Murat Mentesh,2004,0
6 9789755106643,Saatleri Ayarlama Enstitusu,Ahmet Hamdi Tanpinar,1961,0
7 9786055023176,Ask-i Memnu,Halit Ziya Usakligil,1899,0
8 9789750700409,Tutunamayanlar,Oguz Atay,1972,0
9 9789750700942,Icimizdeki Seytan,Sabahattin Ali,1940,0
10 9789750801759,Esir Sehrin Insanlari,Halide Edip Adivar,1929,0
11 9789751402108,Kuyucakli Yusuf,Sabahattin Ali,1937,0
12 9789750732004,Demiryolu Hikayecileri,Sait Faik Abasiyanik,1953,0
13 9789753635007,Istanbul Hikayeleri,Mustafa Kutlu,1997,0
14 9789750729608,Calikusu,Resat Nuri Guntekin,1922,0
15 9789750717216,Yaban,Yakup Kadri Karaosmanoglu,1932,0
16 9789759922677,Hasretinden Prangalar Eskittim,Ahmed Arif,1984,0
17 9789751400166,Kiralik Konak,Yakup Kadri Karaosmanoglu,1932,0
18 9789754060408,Kuyucakli Yusuf,Sabahattin Ali,1937,0
19 9789750726812,Tutunamayanlar,Oguz Atay,1972,0
20 9789759950038,Sirca Kosk,Sabahattin Ali,1947,0
21 9786055016130,Ince Memed,Yasar Kemal,1955,0
22 9786051111459,Kurk Mantolu Madonna,Sabahattin Ali,1943,0
23 9789750711542,Atesden Gomlek,Halide Edip Adivar,1924,0
24 9786052998545,Istanbul Hatirasi,Ahmet Umit,1996,0
25 9789751412343,Yaban,Yakup Kadri Karaosmanoglu,1932,0
26 9789753306553,Orta Direk,Ahmet Hamdi Tanpinar,1944,0
27 9789759950748,Calikusu,Resat Nuri Guntekin,1922,1
28 9789750721688,Icimizdeki Seytan,Sabahattin Ali,1940,1
29 9789755390012,Demiryolu Hikayecileri,Sait Faik Abasiyanik,1953,0
30 9789755397828,Nutuk,Mustafa Kemal Ataturk,1927,0
31 9789755374620,Fatih Terim,Ersun Ciplak,2013,0
32
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0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: 2
Enter student name: Mauro Icardi
Enter student ID: 99
Student added succesfully!
```

```
0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: 3
Enter Student ID: 99
Student with ID: 99 has not borrowed any books.
```

```
0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: []
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C main.c

≡ students.txt X

hw10 > ≡ students.txt

1 Mauro Icardi,99,0,0,0

2


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8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: 3
Enter Student ID: 99
Student with ID: 99 has not borrowed any books.
```

```
0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: 9
>You can borrow maximum 3 books<
Do you want to borrow(1) or return(2) a book?: 1
Enter ISBN: 9789755397828
Enter your student ID: 99
Student 99 has borrowed the book Nutuk.
```

```
0. Display all books
1. Add book
2. Add student
3. List borrowed book
4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit
Enter your choice: 9
>You can borrow maximum 3 books<
Do you want to borrow(1) or return(2) a book?: 1
Enter ISBN: 9789755390012
Enter your student ID: 99
Student 99 has borrowed the book Demiryolu Hikayecileri.
```

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 9

>You can borrow maximum 3 books<

Do you want to borrow(1) or return(2) a book?: 1

Enter ISBN: 9789750708627

Enter your student ID: 99

Student 99 has borrowed the book Degirmen.

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 9

>You can borrow maximum 3 books<

Do you want to borrow(1) or return(2) a book?: 1

Enter ISBN: 9789753638015

Enter your student ID: 99

Student 99 already has 3 books.

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book

C main.c

≡ students.txt X

hw10 > ≡ students.txt

1 Mauro Icardi,99,9789755397828,9789755390012,9789750708627

2

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 9

>You can borrow maximum 3 books<

Do you want to borrow(1) or return(2) a book?: 2

Enter ISBN: 9789755397828

Enter your student ID: 99

Student 99 has returned the book Nutuk.

C main.c

≡ students.txt X

hw10 > ≡ students.txt

1 Mauro Icardi,99,0,9789755390012,9789750708627

2

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 9

>You can borrow maximum 3 books<

Do you want to borrow(1) or return(2) a book?: 1

Enter ISBN: 1234

Enter your student ID: 99

The book is not available for borrowing or the student does not exist.

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 3

Enter Student ID: 99

Book: Demiryolu Hikayecileri, Author: Sait Faik Abasiyanik

Book: Degirmen, Author: Sabahattin Ali

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list

- 0. Display all books
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- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 4

Enter ISBN: 9789755374620

The book 9789755374620 ISBN deleted.

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 0

All Books

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4. Delete a book
5. Update a book
6. Filter and sort books
7. Reverse book list
8. Search books
9. Borrow or return a book
10. Exit

Enter your choice: 5

ISBN: 9789755397828

Feature (title, author, publicationYear): author

New value: Ataturk

The book with 9789755397828 ISBN updated.

ISBN: 9789755390012, Title: Demliyonu Hikayecileri, Author: Sait Fakir Adasıyanık, Publication Year: 2012

ISBN: 9789755397828, Title: Nutuk, Author: Atatürk, Publication Year: 1927

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: 6

Enter filter choice (0->Author, 1->Publication year): 0

Filter value: Sabahattin Ali

Enter sort choice (0->Title, 1->Publication year): 1

The filtered books has written to the txt file.

- 0. Display all books
- 1. Add book
- 2. Add student
- 3. List borrowed book
- 4. Delete a book
- 5. Update a book
- 6. Filter and sort books
- 7. Reverse book list
- 8. Search books
- 9. Borrow or return a book
- 10. Exit

Enter your choice: █

hw10 > ≡ filtered_sorted_books.txt

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2 Title: Degirmen
3 Author: Sabahattin Ali
4 Publication Year: 1935
5 Reservation Status: 1
6
7 ISBN: 9789751402108
8 Title: Kuyucakli Yusuf
9 Author: Sabahattin Ali
10 Publication Year: 1937
11 Reservation Status: 0
12
13 ISBN: 9789754060408
14 Title: Kuyucakli Yusuf
15 Author: Sabahattin Ali
16 Publication Year: 1937
17 Reservation Status: 0
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33 Author: Sabahattin Ali
34 Publication Year: 1943
35 Reservation Status: 0
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