

\*Python 3.8.1 Shell\*

File Edit Shell Debug Options Window Help

Python 3.8.1 (tags/v3.8.1:1b293b6, Dec 18 2019, 22:39:24) [MSC v.1916 32 bit (Intel)] on win32  
Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: C:\Users\vipjain\OneDrive - Capgemini\Desktop\Annanya library project\main.py

WELCOME TO OUR ONLINE PORTAL

-----LIBRARY MANAGEMENT SYSTEM-----

Enter your choice :

1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:1

Enter your choice :

1. Add Book Details
2. Update Book Details
3. Delete A Book
4. Search A Book
5. Back to main menu

Enter your numerical choice:1

Enter Book Id : 22

Enter Book Name : Think better live better

Enter Book Author : Joel Osteen

Enter Book Genre : Self-helpbook

Enter Book Price : 800

Enter Number of copies : 40

Book Added successfully

Book_id	Book_Name	Book_Author	Book_Genre	Book_Price	No_Copies	rem_copies
1	Harry Potter	JK Rowling	Fiction	750	30	29
2	Concept of Physics	HC Verma	Physics	800	30	29
3	Trigonometry	SL Loney	Maths	560	40	40
4	Rusty	Ruskin Bond	Fiction	350	30	30
5	Art Of War	Thomas Huynh	Non Fiction	250	18	17
6	Communication Skills	Sanjay Kumar	English	575	20	20
7	The Hound of The Baskervilles	Sherlock Holmes	Fiction	36	20	20
8	Vistas	NCERT	English Literature	50	40	40
9	Flamingo	NCERT CLASS - 12TH	ENGLISH	50	40	40
10	To Kill A Mocking Bird	Harper Lee	Southern Gothic fiction	399	50	50
11	Oxford Practice Grammar	George Yule	Advanced English	799	35	35
12	Percy Jackson	Rick Riordan	Fiction	600	45	45
13	Shoe Dog	Phil Knight	Autobiography	899	60	60
14	A Brave New World	Aldous Huxley	Science Fiction	900	56	56
15	The Great Gatsby	Scott Fitzgerald	Historical Fiction	789	45	45
16	Hamlet	William Shakespeare	Theatrical Play	900	65	65
17	Startup Idea Action Plan	Ryan Mulvihill	Entrepreneurship	698	48	48
18	Pitch Your Business Like a Pro	Victor Kwegyir	Entrepreneurship	768	39	39
19	Romeo & Juliet	William Shakespeare	Tragedy	950	49	49
20	The Invisible Man	H.G. Wells	Horroe, Science Fiction	800	45	45
21	Maths	NCERT	MATHS	100	28	28
22	Think better live better	Joel Osteen	Self-helpbook	800	40	40
23	As U like it	Shakespeare	Fiction	600	35	35

Enter your choice :

1. Add Book Details
2. Update Book Details
3. Delete A Book
4. Search A Book
5. Back to main menu

Enter your numerical choice:2

Enter Book Id : 23

Enter New Book Price : 760

Enter Number of Book copies : 34

Enter Number of Remaining Book copies : 34

Book details Updated Successfully

Enter your choice :

1. Add Book Details
2. Update Book Details
3. Delete A Book
4. Search A Book
5. Back to main menu

Enter your numerical choice:4

Enter Book Id : 23

Book_id	Book_Name	Book_Author	Book_Genre	Book_Price	No_Copies	rem_copies
23	As U like it	Shakespeare	Fiction	760	34	34

Enter your choice :

1. Add Book Details
2. Update Book Details
3. Delete A Book
4. Search A Book
5. Back to main menu

Enter your numerical choice:3

Enter Book Id : 23

Book Deleted Successfully

```
=====
-----LIBRARY MANAGEMENT SYSTEM-----
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```

Enter your choice :

1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:2

Enter your choice :

1. Add Member Details
2. Update Member Details
3. Delete A Member
4. Search A Member
5. Back to Main Menu

Enter your numerical choice:1

Enter Member Id : 116

Enter Member Name : Avi

Enter Member Address : Indus International

Enter Member Phone No : 8743846567

Member Added successfully

|Enter your numerical choice:2

Enter your choice :

1. Add Member Details
2. Update Member Details
3. Delete A Member
4. Search A Member
5. Back to Main Menu

Enter your numerical choice:4

Enter Member Id : 116

Mem_id	Mem_Name	Mem_Add	Mem_phno
116	Avi	Indus International	8743846567

Enter your choice :  
 1. Add Member Details  
 2. Update Member Details  
 3. Delete A Member  
 4. Search A Member  
 5. Back to Main Menu

Enter your numerical choice:5

-----LIBRARY MANAGEMENT SYSTEM-----

Enter your choice :  
 1. Book Details  
 2. Member details  
 3. Transaction  
 4. Reports  
 5. Exit

Enter your numerical choice:3

Enter your choice :  
 1. Issue Book  
 2. Return Book  
 3. Back to Main Menu

Enter your numerical choice:1  
 Enter Member ID107  
 Enter Book ID3  
 Enter Issue Date2020-09-9  
 Enter Number of Copies2  
 Book Issued ....

issue_id	issue_date	Mem_id	Book_id	No_Copies
1	2021-03-04	101	1	1
2	2021-03-01	102	2	2
3	2021-02-25	104	5	1
4	2020-09-09	107	3	2

```

Enter your choice :
1. Issue Book
2. Return Book
3. Back to Main Menu

Enter your numerical choice:2
Enter Member ID : 107
Enter Book ID3
Enter Return Date2020-10-10
Enter Number of Copies1
Book Returned...

Enter your choice :
1. Issue Book
2. Return Book
3. Back to Main Menu

Enter your numerical choice:3
=====
-----LIBRARY MANAGEMENT SYSTEM-----
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Enter your choice :
1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:4

Enter your choice :
1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:1

```

Book_id	Book_Name	Book_Author	Book_Genre	Book_Price	No_Copies	rem_copies
1	Harry Potter	JK Rowling	Fiction	750	30	26
2	Concept of Physics	HC Verma	Physics	800	30	29
3	Trigonometry	SL Loney	Maths	560	40	39
4	Rusty	Ruskin Bond	Fiction	350	30	28
5	Art Of War	Thomas Huynh	Non Fiction	250	18	17
6	Communication Skills	Sanjay Kumar	English	575	20	19
7	The Hound of The Baskervilles	Sherlock Holmes	Fiction	36	20	18
8	Vistas	NCERT	English Literature	50	40	37
9	Flamingo	NCERT CLASS - 12TH	ENGLISH	50	40	38
10	To Kill A Mocking Bird	Harper Lee	Southern Gothic fiction	399	50	50
11	Oxford Practice Grammar	George Yule	Advanced English	799	35	35
12	Percy Jackson	Rick Riordan	Fiction	600	45	45
13	Shoe Dog	Phil Knight	Autobiography	899	60	60
14	A Brave New World	Aldous Huxley	Science Fiction	900	56	56
15	The Great Gatsby	Scott Fitzgerald	Historical Fiction	789	45	45
16	Hamlet	William Shakespeare	Theatrical Play	900	65	65
17	Startup Idea Action Plan	Ryan Mulvihill	Entrepreneurship	698	48	48
18	Pitch Your Business Like a Pro	Victor Kwegyir	Entrepreneurship	768	39	39
19	Romeo & Juliet	William Shakespeare	Tragedy	950	49	49
20	The Invisible Man	H.G. Wells	Horroe, Science Fiction	800	45	45
21	Maths	NCERT	MATHS	100	28	28
22	Think better live better	Joel Osteen	Self-helpbook	800	40	37

Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:2

Mem_id	Mem_Name	Mem_Add	Mem_phno
101	Vasundhara	St Mary	1234567899
102	Annanya	St Arnolds	9876789834
103	Maitri	Orbis	1983645372
104	Sakshi	Vibgyor	5678995434
105	Ram	Orbis	1234567891
106	Aditi	Bishops	6543217890
107	Pari	St Helenas	9876987634
108	Rishi	DPS	6749202640
109	Vaishnavi	Vibgyor	1243578263
110	Ekagra	Lexicon	8723001983
111	Yashasvi	Orchid	9087054087
112	Vaidehi	Lexicon	1234927564
113	Esha	Kalyani	8765432341
114	Prarthana	Bishops	9374602842
115	Ruchi	Orchid	1920374651
116	Avi	Indus International	8743846567

Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:3

issue_id	issue_date	Mem_id	Book_id	No_Copies
1	2021-03-04	101	1	1
2	2021-03-01	102	2	2
3	2021-02-25	104	5	1
4	2020-09-09	107	3	2
5	2021-01-05	103	4	2
6	2021-09-23	106	6	2
7	2021-11-19	115	22	3
8	2022-01-09	112	1	3
9	2022-03-05	102	16	1
10	2021-08-23	110	7	2
11	2021-08-12	111	8	3
12	2022-02-08	112	9	2

Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:4

return_id	return_date	Mem_id	Book_id	No_Copies
1	2021-03-05	102	2	1
2	2020-10-10	107	3	1
3	2021-09-29	106	6	1
4	2022-03-06	102	16	1

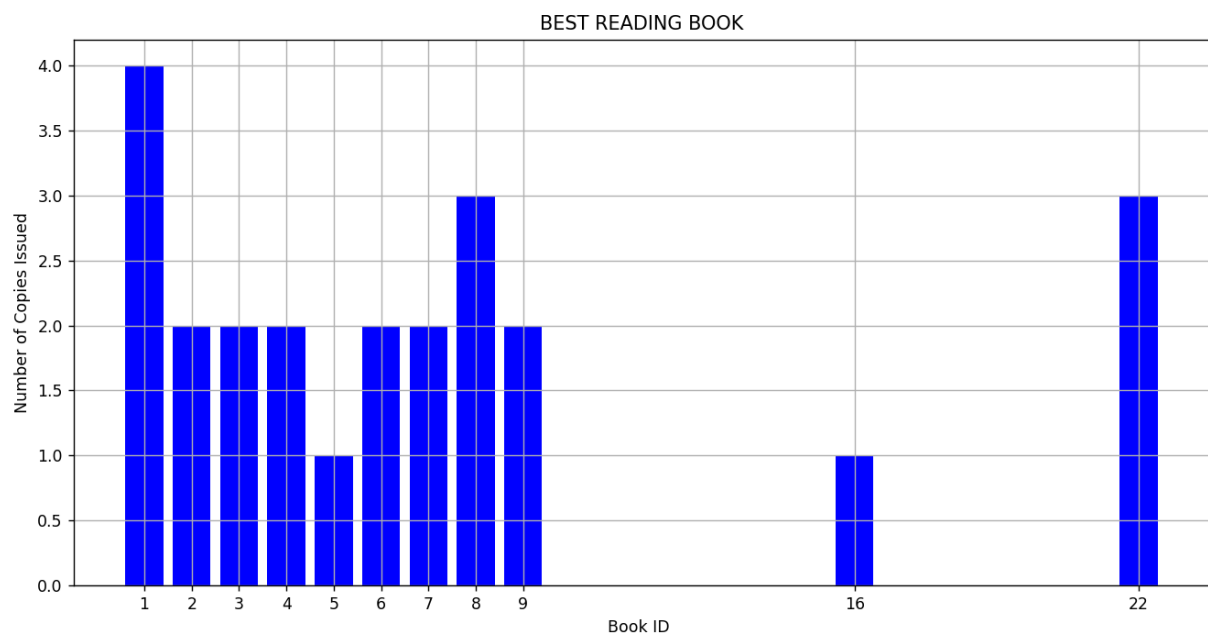
Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:5



	Book_id	totalcopies
0	1	4.0
1	2	2.0
2	3	2.0
3	4	2.0
4	5	1.0
5	6	2.0
6	7	2.0
7	8	3.0
8	9	2.0
9	16	1.0
10	22	3.0



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-----LIBRARY MANAGEMENT SYSTEM-----

Enter your choice :

1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:4

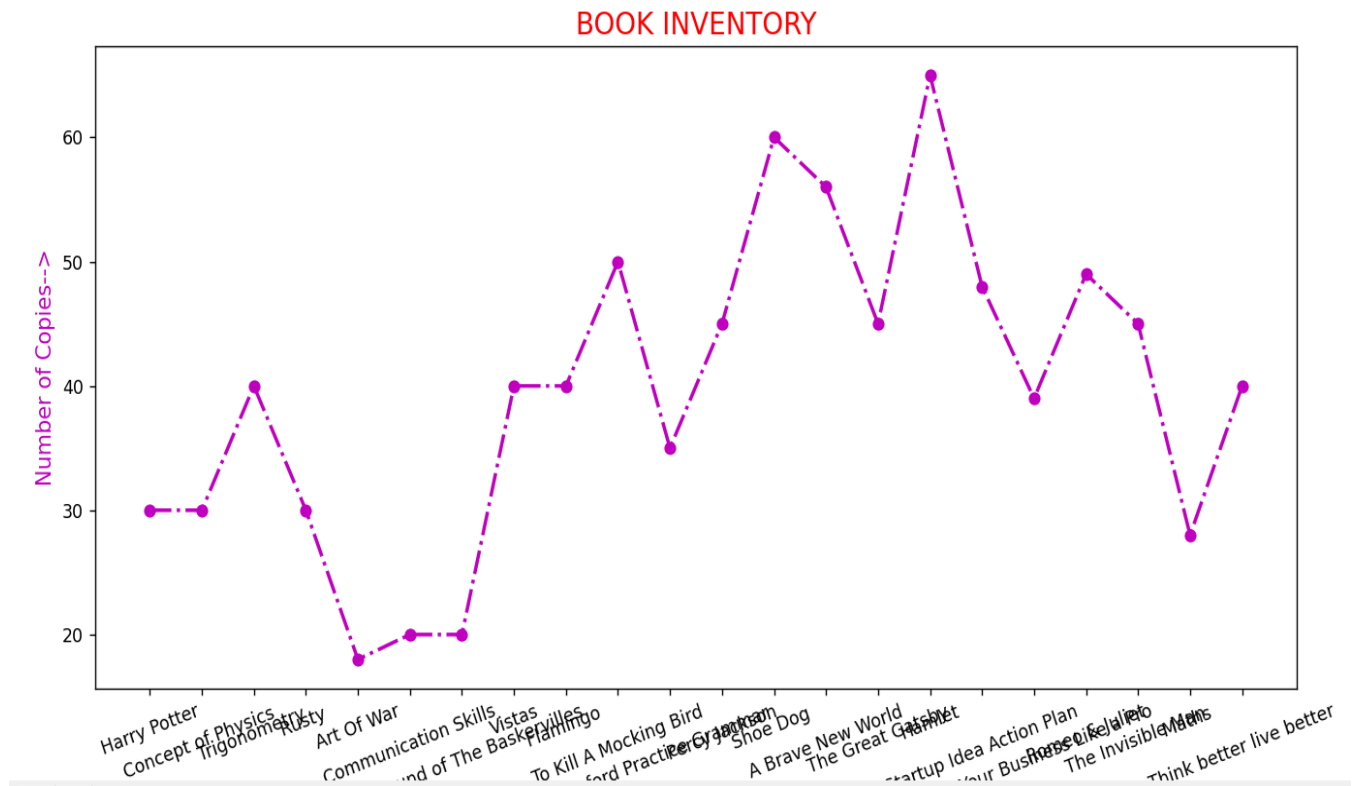
Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

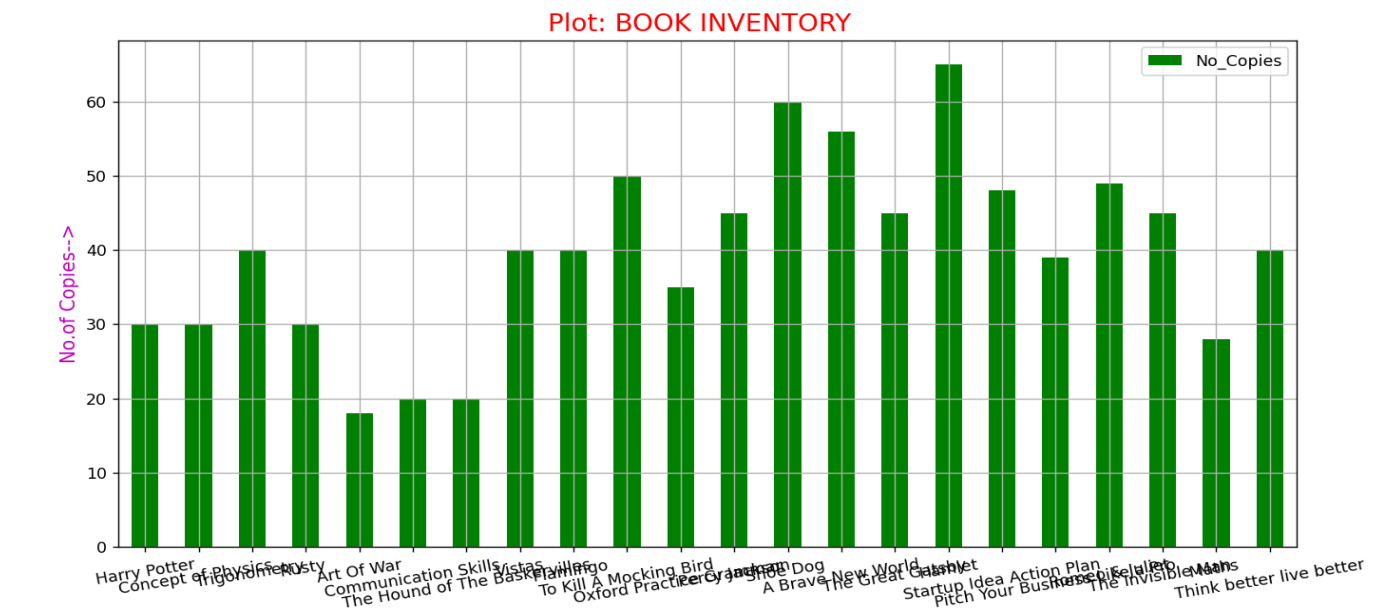
Enter your numerical choice:6

	Book_Name	No_Copies
0	Harry Potter	30
1	Concept of Physics	30
2	Trigonometry	40
3	Rusty	30
4	Art Of War	18
5	Communication Skills	20
6	The Hound of The Baskervilles	20
7	Vistas	40
8	Flamingo	40
9	To Kill A Mocking Bird	50
10	Oxford Practice Grammar	35
11	Percy Jackson	45
12	Shoe Dog	60
13	A Brave New World	56
14	The Great Gatsby	45
15	Hamlet	65
16	Startup Idea Action Plan	48
17	Pitch Your Business Like a Pro	39
18	Romeo & Juliet	49
19	The Invisible Man	45
20	Maths	28
21	Think better live better	40

Graph Type [Line-L,Bar-B]:L



Graph Type [Line-L,Bar-B]:B



WELCOME TO OUR ONLINE PORTAL

-----LIBRARY MANAGEMENT SYSTEM-----

Enter your choice :

1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:4

Enter your choice :

1. Book Details
2. Member Details
3. Issue Details
4. Return Details
5. Best Reading Book(Char)
6. No of copies balanced in Library
7. Back to Main Menu

Enter your numerical choice:7

-----LIBRARY MANAGEMENT SYSTEM-----

Enter your choice :

1. Book Details
2. Member details
3. Transaction
4. Reports
5. Exit

Enter your numerical choice:|

Enter password: \*\*\*\*\*

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 144

Server version: 8.0.28 MySQL Community Server - GPL

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use library;

Database changed

mysql> show tables;

```
+-----+
| Tables_in_library |
+-----+
| book               |
| issuebook          |
| member             |
| returnbook         |
+-----+
```

4 rows in set (0.07 sec)

mysql> desc Book;

```
+-----+-----+-----+-----+-----+-----+
| Field      | Type      | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| Book_id    | int       | NO   | PRI | NULL    |       |
| Book_Name  | varchar(30) | YES  |     | NULL    |       |
| Book_Author | varchar(25) | YES  |     | NULL    |       |
| Book_Genre  | varchar(25) | YES  |     | NULL    |       |
| Book_Price | float     | YES  |     | NULL    |       |
| No_Copies  | int       | YES  |     | NULL    |       |
| rem_copies | int       | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

7 rows in set (0.02 sec)

```
mysql> select * from Book;
```

Book_id	Book_Name	Book_Author	Book_Genre	Book_Price	No_Copies	rem_copies
1	Harry Potter	JK Rowling	Fiction	750	30	26
2	Concept of Physics	HC Verma	Physics	800	30	29
3	Trigonometry	SL Loney	Maths	560	40	39
4	Rusty	Ruskin Bond	Fiction	350	30	28
5	Art Of War	Thomas Huynh	Non Fiction	250	18	17
6	Communication Skills	Sanjay Kumar	English	575	20	19
7	The Hound of The Baskervilles	Sherlock Holmes	Fiction	36	20	18
8	Vistas	NCERT	English Literature	50	40	37
9	Flamingo	NCERT CLASS - 12TH	ENGLISH	50	40	38
10	To Kill A Mocking Bird	Harper Lee	Southern Gothic fiction	399	50	50
11	Oxford Practice Grammar	George Yule	Advanced English	799	35	35
12	Percy Jackson	Rick Riordan	Fiction	600	45	45
13	Shoe Dog	Phil Knight	Autobiography	899	60	60
14	A Brave New World	Aldous Huxley	Science Fiction	900	56	56
15	The Great Gatsby	Scott Fitzgerald	Historical Fiction	789	45	45
16	Hamlet	William Shakespeare	Theatrical Play	900	65	65
17	Startup Idea Action Plan	Ryan Mulvihill	Entrepreneurship	698	48	48
18	Pitch Your Business Like a Pro	Victor Kwegyir	Entrepreneurship	768	39	39
19	Romeo & Juliet	William Shakespeare	Tragedy	950	49	49
20	The Invisible Man	H.G. Wells	Horroe, Science Fiction	800	45	45
21	Maths	NCERT	MATHS	100	28	28
22	Think better live better	Joel Osteen	Self-helpbook	800	40	37

```
22 rows in set (0.00 sec)
```

```
mysql> desc member;
```

Field	Type	Null	Key	Default	Extra
Mem_id	int	NO	PRI	NULL	
Mem_Name	varchar(20)	YES		NULL	
Mem_Add	varchar(50)	YES		NULL	
Mem_phno	char(10)	YES		NULL	

```
4 rows in set (0.01 sec)
```

```
mysql> select * from member;
```

Mem_id	Mem_Name	Mem_Add	Mem_phno
101	Vasundhara	St Mary	1234567899
102	Annanya	St Arnolds	9876789834
103	Maitri	Orbis	1983645372
104	Sakshi	Vibgyor	5678995434
105	Ram	Orbis	1234567891
106	Aditi	Bishops	6543217890
107	Pari	St Helenas	9876987634
108	Rishi	DPS	6749202640
109	Vaishnavi	Vibgyor	1243578263
110	Ekagra	Lexicon	8723001983
111	Yashasvi	Orchid	9087054087
112	Vaidehi	Lexicon	1234927564
113	Esha	Kalyani	8765432341
114	Prarthana	Bishops	9374602842
115	Ruchi	Orchid	1920374651
116	Avi	Indus International	8743846567

```
16 rows in set (0.01 sec)
```

```
mysql> desc issuebook;
```

Field	Type	Null	Key	Default	Extra
issue_id	int	NO	PRI	NULL	
issue_date	date	YES		NULL	
Mem_id	int	YES	MUL	NULL	
Book_id	int	YES	MUL	NULL	
No_Copies	int	YES		NULL	

```
5 rows in set (0.01 sec)
```

```
mysql> select * from issuebook;
```

issue_id	issue_date	Mem_id	Book_id	No_Copies
1	2021-03-04	101	1	1
2	2021-03-01	102	2	2
3	2021-02-25	104	5	1
4	2020-09-09	107	3	2
5	2021-01-05	103	4	2
6	2021-09-23	106	6	2
7	2021-11-19	115	22	3
8	2022-01-09	112	1	3
9	2022-03-05	102	16	1
10	2021-08-23	110	7	2
11	2021-08-12	111	8	3
12	2022-02-08	112	9	2

```
12 rows in set (0.00 sec)
```



```
mysql> desc returnbook;
```

Field	Type	Null	Key	Default	Extra
return_id	int	NO	PRI	NULL	
return_date	date	YES		NULL	
Mem_id	int	YES	MUL	NULL	
Book_id	int	YES	MUL	NULL	
No_Copies	int	YES		NULL	

```
5 rows in set (0.00 sec)
```

```
mysql> select * from returnbook;
```

return_id	return_date	Mem_id	Book_id	No_Copies
1	2021-03-05	102	2	1
2	2020-10-10	107	3	1
3	2021-09-29	106	6	1
4	2022-03-06	102	16	1

```
4 rows in set (0.01 sec)
```