MINI PROJECT –1

BOOKING CATALOG SYSTEM

create database MINIPROJECTBOOKS1;

use MINIPROJECTbooks1;

create table publishers (

publisher\_id int primary key,

publisher\_name varchar(230) not null

);

  insert into publishers values(10,'Drac Von Stoller');

  insert into publishers values(11,' Blackstone Audio lnc');

  insert into publishers values(12,' Blake pierce');

  select \* from publishers;

|  |  |
| --- | --- |
| publisher\_id | publisher\_name |
| 10 | Drac Von Stoller |
| 11 | Blackstone Audio lnc |
| 12 | Blake pierce |

   create table categories (

   category\_id int primary key,

   category\_name varchar(230) unique not null

   );

   insert into categories values(10, 'horror')

  insert into categories values(11, 'comedy');

   insert into categories values(12, 'triller');

select \* from categories;

|  |  |
| --- | --- |
| category\_id | category\_name |
| 11 | comedy |
| 10 | horror |
| 12 | triller |

   create table users (

   user\_id int primary key,

   user\_name varchar(230) not null,

   email varchar(230) unique not null,

   phone\_number bigint unique not null

   );

   insert into users [values(100,'bhogaraju','bho123@gmail.com',9111243576](mailto:values(100,'bhogaraju','bho123@gmail.com',9111243576));

   insert into users [values(101,'sai','sai456@gmail.com',9109876879](mailto:values(101,'sai','sai456@gmail.com',9109876879));

   insert into users [values(102,'bharathwaj','bharath789@gmail.com',9123409764](mailto:values(102,'bharathwaj','bharath789@gmail.com',9123409764));

select \* from users;

|  |  |  |  |
| --- | --- | --- | --- |
| user\_id | user\_name | email | phone\_number |
| 100 | bhogaraju | bho123@gmail.com | 9111243576 |
| 101 | sai | sai456@gmail.com | 9109876879 |
| 102 | bharathwaj | bharath789@gmail.com | 9123409764 |

   create table books (

    book\_id int primary key,

    title varchar(230) not null,

    ISBN  bigint unique not null,

    publication\_year date not null,

    publisher\_id int,

    category\_id int,

    auther\_name varchar(230) check(auther\_name is not null),

    foreign key (publisher\_id) references publishers(publisher\_id) on delete cascade,

    foreign key (category\_id) references categories(category\_id) on delete cascade

    );

insert into books values(1000,'house of horrors',9781430866346,'2024-06-10',10,10,'Droc Von Stoller ');

insert into books values(1001,'The divine Comedy',978143089409,'2007-07-01',11,11,'Alighieri Dante ');

insert into books values(1002,'Let Her Go',9781094327112,'2023-03-28',12,12,'Blake pierce');

select \* from books;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| book\_id | title | ISBN | publication\_year | publisher\_id | category\_id | auther\_name |
| 1000 | house of horrors | 9781430866346 | 6/10/2024 | 10 | 10 | Droc Von Stoller |
| 1001 | The divine Comedy | 978143089409 | 7/1/2007 | 11 | 11 | Alighieri Dante |
| 1002 | Let Her Go | 9781094327112 | 3/28/2023 | 12 | 12 | Blake pierce |

create table Borrowings (

    Borrow\_id int primary key,

    user\_id int,

book\_id int,

    Borrow\_date date not null,

    return\_date date not null,

    foreign key(user\_id) references users (user\_id) on delete cascade,

    foreign key(book\_id) references books (book\_id) on delete cascade

   );

    insert into Borrowings values(2000,100,1000,'2024-12-14','2024-12-18');

    insert into Borrowings values(2001,101,1001,'2024-12-17','2024-12-19');

    insert into Borrowings values(2002,102,1002,'2024-12-23','2014-12-28');

    select \* from borrowings;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Borrow\_id | user\_id | book\_id | Borrow\_date | return\_date |
| 2000 | 100 | 1000 | 12/14/2024 | 12/18/2024 |
| 2001 | 101 | 1001 | 12/17/2024 | 12/19/2024 |
| 2002 | 102 | 1002 | 12/23/2024 | 12/28/2014 |

select publisher\_name,category\_name,user\_name,email,phone\_number,title,ISBN, publication\_year,  auther\_name,Borrow\_id, Borrow\_date, return\_date from books b

join publishers p on (b.publisher\_id=p.publisher\_id)

join categories c on (b.category\_id=c.category\_id)

join Borrowings  br on (b.book\_id=br.book\_id)

join users u on (br.user\_id=u.user\_id);