**SQL PROJECT**

create database BooksDB;

use BooksDB;

create table Books(Title varchar(20),Author varchar(20),Genre varchar(20),Published\_year int,Price int);

select \* from Books;

insert into Books

Alter TABLE Books ADD Book\_id int;

ALTER TABLE Books RENAME COLUMN title to Title;

ALTER TABLE Books RENAME COLUMN author to Author;

ALTER TABLE Books RENAME COLUMN genre to Genre;

ALTER TABLE Books RENAME COLUMN published\_year to Published\_year;

ALTER TABLE Books RENAME COLUMN Price to Price;

insert into Books values('A Silent Place','Vinod Kumar Shukla','Fiction',2021,279);

insert into Books values('The last train to london','Meg Wayte Clayton','Novel',2019,2130);

ALTER TABLE Books MODIFY COLUMN title varchar(50);

desc Books;

ALTER TABLE Books MODIFY COLUMN author varchar(50);

insert into Books values('The last train to london','Meg Wayte Clayton','Novel',2019,2130);

insert into Books values('A Neighbours lie','Blake Pierce','Mystery',2019,149);

insert into Books values('Spy X Family','Tatsuya Endo','Anime',2020,487);

update Books set Book\_id = 10 where author = 'Masashi kishimoto';

insert into Books values('Naruto ','Masashi kishimoto','Anime',2011,399);

insert into Books values('Harry Potter','J K Rowling','Fiction',1997,193);

select \* from Books where title = 'Naruto';

select \* from Books order by price;

update Books set Genre = 'Animation' where Title = 'Spy X Family';

select Title from Books;

select \* from Books where title = 'Naruto';

select \* from Books where author = 'Masashi kishimoto';

update Books set price = 1200 where author = 'Masashi kishimoto';

select \* from Books where Title = 'Naruto';

delete from Books where Title = 'A Silent Place';

select \* from Books where Title = 'Naruto ';

update Books set Title = 'Naruto' where author = 'Masashi kishimoto';

Select AVG(price) AS Average\_Price From Books;

create table Authors(Author\_name varchar(20),age int,DOB int);

select \* from authors;

insert into authors values('Meg Wayte',1959,64);

insert into authors values('Blake Pierce',1996,27);

insert into authors values('Tatsuya Endo',1980,42);

insert into Authors values('Masashi kishimoto',48,1974);

insert into authors values('J K Rowling',1965,57);

Alter table authors Modify Column Author\_name varchar(50);

desc authors;

update Books set Book\_id = 20 where Title = 'Spy X Family';

update Books set Book\_id = 30 where Title = 'Harry Potter';

update Books set Book\_id = 40 where Title = 'The last train to london';

update Books set Book\_id = 50 where Title = 'A Neighbours lie';

ALTER TABLE Books ADD PRIMARY KEY(Book\_id);

ALTER TABLE Authors ADD Author\_id int;

update Authors set Author\_id = 20 where Author\_name = 'Tatsuya Endo';

update Authors set Author\_id = 30 where Author\_name = 'J K Rowling';

update Authors set Author\_id = 40 where Author\_name = 'Meg Wayte';

update Authors set Author\_id = 50 where Author\_name = 'Blake Pierce';

update Authors set Author\_id = 10 where Author\_name = 'Masashi kishimoto';

ALTER TABLE Authors RENAME COLUMN age to DateofBirth;

ALTER TABLE Authors RENAME COLUMN DOB to Age;

update Authors set DateofBirth = 1974 where Author\_name = 'Masashi kishimoto';

update Authors set Age = 48 where Author\_name = 'Masashi kishimoto';

select \* from authors;

ALTER TABLE Authors ADD PRIMARY KEY(Author\_id);

ALTER TABLE Books RENAME COLUMN Book\_id to Author\_id;

SELECT Books.Title,Authors.Author\_name from Books,Authors where Books.Author\_id = Authors.Author\_id;

