Q1

A computer screen with text

Description automatically generated

Q2A screenshot of a computer

Description automatically generated

Q3

A computer screen with a white background

Description automatically generated

Q4

A screenshot of a computer

Description automatically generated

Q5

A computer screen with text on it

Description automatically generated

Q6

A computer screen with text on it

Description automatically generated

Q7

A computer screen with text on it

Description automatically generated

Q8A screenshot of a computer

Description automatically generated

Q9

A computer screen with a white box

Description automatically generated

Q10

A computer screen with a white screen

Description automatically generated

Q11

A computer screen with text boxes

Description automatically generated

Q12

A computer screen with text

Description automatically generated

Q13

A computer screen with text

Description automatically generated

Q14

A computer screen with text

Description automatically generated

Q15

A computer screen with text

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Q16

A computer screen with a white screen

Description automatically generated

CODE

create table Subject(subjectId int, subtitle varchar(20))

select \* from Subject

create table Book(bookId int,

title varchar(20),

price int,

volume int,

author varchar(20),

publishDate Date,

subjectId int

)

Drop table Book

select \* from Book

---------QUESTION 1---------------

insert into Subject values(1,'English'),

(2,'Physics'),

(3,'Chemistry'),

(4,'Biology'),

(5,'Maths')

-------------QUESTION 2-------------

insert into Book values(1,'Eng',20,30,'subin','2000.1.1',1),(2,'Eng1',30,20,'amal','2001.2.2',1),(3,'Eng2',10,20,'akhil','2003.3.3',1),

(4,'Phy',50,40,'kamal','2004.4.4',2),(5,'Phy1',70,60,'Arun','2005.5.5',2), (6,'Phy2',90,80,'gokul','2006.6.6',2),

(7,'Che',40,30,'alen','2007.7.7',3),(8,'Che1',60,50,'vaishnav','2008.8.8',3),(9,'Che2',70,40,'sid','2009.9.9',3),

(10,'Bio',60,30,'appu','2010.10.10',4),(11,'Bio1',45,40,'stefin','2011.11.11',4),(12,'Bio2',80,50,'saniya','2012.12.12',4),

(13,'Math',100,90,'prakash','2013.3.13',5),(14,'math1',110,100,'dhamu','2014.4.14',5),(7,'Math2',120,110,'ramu','2015.5.15',5)

select \* from Book

------------------QUESTION 3--------------

select s.subjectId,s.subtitle,b.bookId,b.title,b.price,b.volume,b.author,b.publishDate,b.subjectId from Subject s join Book b on s.subjectId=b.subjectId

--------------------QUESTION 4---------------

select \* from Book where publishDate between '2006.6.6' And '2014.4.14'

-----------------QUESTION 5---------------------

SELECT author, COUNT(\*) AS bookCount FROM Book GROUP BY author;

-----------------------QUESTION 6----------------------

select subjectId,COUNT(\*) as 'booksCount' from Book group by subjectId

-------------------QUESTION 7-------------------------

select count(\*) as 'Books by Year' from Book where YEAR(publishDate)=2000

---------------------QUESTION 8---------------------

update Book set price=140, volume=100 where bookId=6

select \* from Book

----------------------QUESTION 9--------------------

update Book set price=(price\*10)/100 where subjectId=1

select \* from Book

-----------------QUESTION 10----------------

delete from Book where bookId=9

select \* from Book

--------------QUESTION 11---------------

select \* from Book where price>500 and subjectId=(select subjectId from Subject where subtitle='Maths')

---------------QUESTION 12-----------------

select b.bookId,b.title,s.subtitle from Book b join subject s on b.subjectId=s.subjectId order by subtitle

----------------QUESTION 13-----------------------

select \* FROM Book where price=(select Min(price) from Book)

---------------------QUESTION 14-------------------

select min(price) from Book

------------------------QUESTION 15----------------

select COUNT(\*) as 'subject count' from Book where subjectid=23

-----------------QUESTION 16---------------

select \* from Book where subjectId in (select subjectId from Subject where subtitle In ('English','Maths','Biology'))