**Q1.Create book and member table**

create table Book1(

Book\_id int(10)primary key,

Book\_name varchar(20),

author varchar(20),

publication\_year int(10));

create table Member1(

Member\_id int(10)primary key,

name varchar(20),

email varchar(20));

**Q2. Insert**

**Book1**

insert into Book1 values(1,'Java','James gosling', 1984);

**Member1**

insert into Member1 values(1,'Aarti','aartiswami@gmail.com');

**Q3. Update**

**Book1**

update Book1

set Book\_name='DBMS'

where Book\_id=1;

**Member1**

update Member1

set name='Jiya'

where Member\_id=1;

**Q4. Select Command**

select

b.Book\_name,

b.author,

COUNT(m.Member\_id)AS Member\_count

from

Book1 b

left join

Member1 m on b.BOOK\_id = m.Member\_id

where

b.publication\_year>=1980

group by

b.Book\_name,b.author

having

COUNT(m.Member\_id)>0

order by

b.Book\_name ASC;

**Q5.Oracle Function**

**Count**

select count(\*) as Total\_books From Book1;

select count(\*) as Total\_members From Member1;

**Concatenate name and email**

select name ||'-'|| email as member\_info from Member1;

**name start with specific letter(e.g ‘A’)**

select \* from Member1 where upper(name)like'j%';

**Retrive Members with email in uppercase**

select Member\_id,name, upper(email) As Uppercase\_email from Member1 ;

**length Greater than 10 character**

select Book\_name from Book1 where length(Book\_name)>1 ;

**Q.6 create View**

**Create view BookMemberView**

create view BookMemberView As

select

B.Book\_id,

B.Book\_name,

B.author,

B.publication\_year,

M.Member\_id,

M.name,

M.email

from Book1 B

Join

Member1 M on B.Book\_id= M.Member\_id;

**Update view**

update Member1

set email='aartiswami@gmail.com'

where Member\_id=1;

**select opertaion**

select \* from BookMemberView;

**delete operation**

delete from Book1 where Book\_id=5;

**Q7. Sub Query Book and Member’**

**Sub query 1**

select name, email

from Member1

where member\_id in(select member\_id from Book1

where Book\_id=(select Book\_id from Book1 where publication\_year=1984));

**Sub query 2\***

select Book\_id,Book\_name,author,publication\_year

from Book1

where author in(select name from Member1 );

**Q.8 display square of all odd numbers betn 1-25**

**Q.9 write a PL/SQL to implement while loop for library table**