```
mysql> desc author_
 Field
                                Null
                                              Default
                                                        Extra
                 Type
                                       Key
                 varchar(20)
                                YES
                                              NULL
  name
                 varchar(20)
                                YES
                                              NULL
  publications
2 rows in set (0.02 sec)
mysql> desc book;
 Field
                               Null |
                Type
                                      Key
                                            Default | Extra
                               NO
                                      PRI
  book_isbn
                                             NULL
                int
  book_name
                varchar(20)
                               YES
                                             NULL
  author
                varchar(20)
                               YES
                                             NULL
                varchar(20)
  publisher
                               YES
                                             NULL
                               YES
  publication
                varchar(20)
                                             NULL
5 rows in set (0.00 sec)
mysql> desc customer;//
 Field
                                Null
                 Type
                                       Key
                                              Default
                                                        Extra
                 varchar(20)
                                YES
                                              NULL
  name
  wishlist
                 varchar(20)
                                YES
                                              NULL
  mobileno
                 int
                                YES
                                              NULL
 rented_books
                 varchar(20)
                                YES
                                              NULL
4 rows in set (0.00 sec)
mysql> desc publication_company;//
 Field
                                 Null |
                                                         Extra
                 Type
                                        Key
                                              Default
                 varchar(20)
                                 ΝО
                                        PRI
                                               NULL
  name
  publications
                 varchar(20)
                                 YES
                                               NULL
                                               NULL
  authors
                 varchar(20)
                                 YES
                                 YES
                                               NULL
  sales
                  int
  books
                 varchar(200)
                                 YES
                                               NULL
 rows in set (0.00 sec)
```

```
mysql> alter table customer add constraint pk primary key (name);
Query OK, 0 rows affected (0.07 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> desc customer
 Field
                               Null |
                                             Default |
                 Type
                                       Key
                                                        Extra
                                             NULL
                 varchar(20)
                                NO
                                       PRI
 name
 wishlist
                 varchar(20)
                                YES
                                             NULL
                                YES
                                             NULL
 mobileno
                 int
 rented_books
                 varchar(20)
                                YES
                                             NULL
```

```
mysql> select * from student,author_ where student.name = author_.name;//
                  percentage
                               department
 regno
          name
                                             name
    122
          leela
                       88.00
                                             leela
    143
          vamsi
                       87.00
                                             vamsi
                               cse
2 rows in set (0.00 sec)
mysql> select * from student,author_ where student.department = author_.name;//
Empty set (0.00 sec)
```

2.b)

```
mysql> select * from student inner join author_ on
                                                      student.name = author_.name;//
  regno
                  percentage
                                department
          name
                                              name
    122
          leela
                        88.00
                                              leela
                                cse
    143
                        87.00
          vamsi
                                              vamsi
                                cse
 rows in set (0.00 sec)
```

2.c)

```
mysql> select * from student left join author_ on student.name=author_.name;
  regno
          name
                   percentage
                                 department
                                              name
    122
          leela
                         88.00
                                              leela
                                 cse
    143
          vamsi
                         87.00
                                              vamsi
                                 cse
    152
          balaji
                         89.00
                                              NULL
                                 cse
3 rows in set (0.00 sec)
```

2.d)

```
mysql> select * from student right join author_ on student.department = author_.name;//
| regno | name | percentage | department | name |
| NULL | NULL | NULL | Leela |
| NULL | NULL | NULL | vamsi |
| vamsi | vams
```

2.e)

3.b)

```
mysql> insert into student(regno,name,percentage,department)
    -> values(122,'leela',88,'cse'),
    -> (143,'vamsi',87,'cse');
    -> (152,'balaji',89,'cse');
Query OK, 3 rows affected (0.01 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> delimiter //
mysql> create procedure stu()
    -> begin
    -> select * from student;
    -> end
    -> //
Query OK, 0 rows affected (0.01 sec)
```

4.b)

```
mysql> call stu();//
                   percentage | department
 regno
          name
    122
          leela
                        88.00
                                 cse
                         87.00
    143
          vamsi
                                 cse
    152
          balaji
                         89.00
                                 cse
3 rows in set (0.00 sec)
Query OK, 0 rows affected (0.01 sec)
```

5.a)

6.