Lab Sheet of Mobile Programming

Lab sheet -2

1. Develop an android application to display multiple fragments in activity using fragment manager.
2. Develop an android application to calculate simple interest using fragment.
3. Develop an android application to demonstrate options menu.
4. Develop an android application to demonstrate context menu.
5. Develop an android application to demonstrate popup menu.
6. Develop an android application to demonstrate alert dialog.
7. Develop an android application to calculate area and perimeter of a rectangle in a custom dialog.

8. Develop an android application to display any 10 programming languages in ListView.
9. Develop an android application to display any 5 courses in gridview.
10. Develop an android application to display id, name and address of 5 students using ListView, GridView and Recycler View. (Write separate programs).

11. Provided that SQLite database named "**College**" with table named student with following columns (**Roll as Integer, Name as Text and Address as Text**). Develop an android application to connect database and insert five student records and display the student information. Also write code to update and delete records.
12. Develop an android application that demonstrates retrieval of contents from remote server.
13. Develop an android application that demonstrates sending of contents to remote server.
14. Develop an android application to display google map in activity.

15. Write a swift program to calculate factorial of a number using function.
16. Write a swift program to create an array and find maximum element.
17. Develop an iOS application to calculate area and perimeter of rectangle.