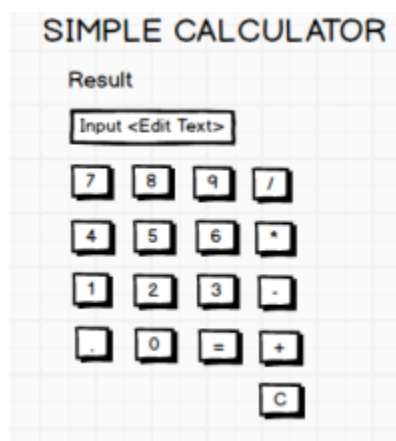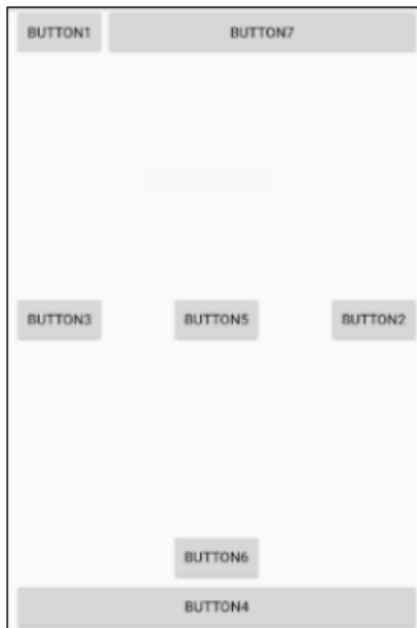# Android Lab Cycle

C01, C02

1. Design a Login Form with username and password using LinearLayout and toast valid credentials

2. Create an application to design a Visiting Card. The Visiting card should have a company logo at the top right corner. The company name should be displayed in Capital letters, aligned to the centre. Information like the name of the employee, job title, phone number, address, email, fax and the website address is to be displayed. Insert a horizontal line between the job title and the phone number.

3. Develop an Android application using controls like Button, TextView, EditText for designing a calculator having basic functionality like Addition, Subtraction, Multiplication, and Division.

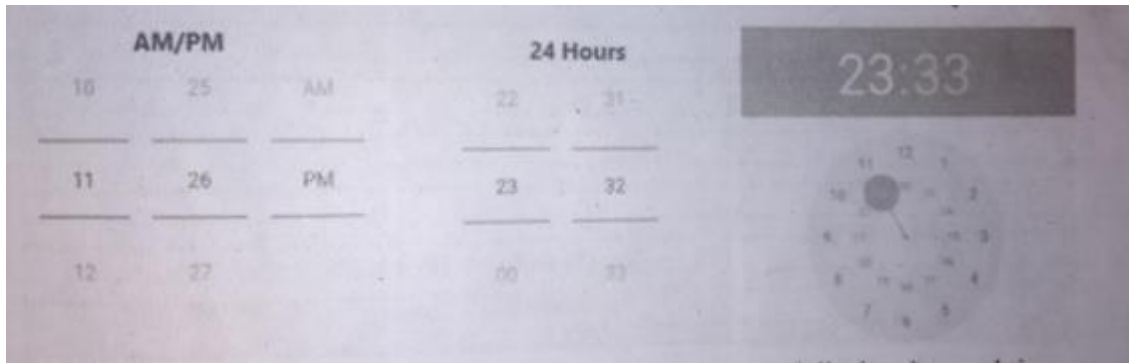4. Write a program to display following output using Relative layout.

5. Write a program to display following output using Table layout.

6. Write a program to create a Hello World activity using all lifecycles methods to display messages using Log.d.

7. Design a simple Calculator using GridLayout and Cascaded LinearLayout.

8. Create a Facebook page using RelativeLayout; set properties using .xml file.

9. Develop an application that toggles image using FrameLayout.

10. Write a program to create a first display screen of any search engine using auto Complete Text View

11. Write a program to create a toggle button to display on/off functionality on the display screen.

12. Write a program to show five checkboxes and toast selected checkboxes.
13. Write a program to show functionality of radio group and radio buttons to toast selected gender.

14. Write a program to display following output. Use Time Picker with Spinner mode.

15. Write a program to display and image using image view and a button named as "Change Image". Once you click on button another image should get displayed.

16. Write a program to display 15 buttons using grid view.

17. Write a program to display three checkboxes and one button named" Order" as shown below. Once you click on button it should toast different selected checkboxes along with items individual and total price.

18. Create a SIGN Up activity with Username and Password. Validation of password should happen based on the following rules:
    a. Password should contain uppercase and lowercase letters.
    b. Password should contain letters and numbers.
    c. Password should contain special characters.
    d. Minimum length of the password (the default value is 8).

19. Design a registration activity and store registration details in local memory of phone using Intents and SharedPreferences.

20. Create sample application with login module. (check username and password) on successful login, Change text view "login successful" and on login fail, alert user using Toast" Login Fail".

21. Write a program to create the login form with necessary validations like length of username and password, empty text fields, count of unsuccessful login attempts. Display the login successful/unsuccessful toast message.

22. Write a program to Implement Options Menu.

23. Write a program to Implement Context Menu.

24. Write a program to Implement Popup Menu.