Lab Report 1(Unit2, Unit 3 and Unit-4)

Lab Report Format:

Instructions:

- **Create your new repository on GitHub and push your lab solution to GitHub with new branch for each lab set.**
- **Share your repository to instructor.basanta@gmail.com as a collaborator.**
- **Print and attach your updated GitHub screenshot into lab set**

Format

- Cover (Print)
- GitHub Screenshot
- Lab Question –hand written
- Introduction –hand written
- Syntax and Format –hand written (Includes tags, attributes and Java Methods in details)
- Code –hand written
- Output(Print)

Lab 1

1. Write basic steps to install and run application using emulator into android studio.
2. Write a basic steps to create and run basic android application that display your name, email, phone and address and your image.
3. Create an application that will demonstrate all layout types with proper example (Registration form includes all types of Form Widget).
    - Relative Layout
    - Linear Layout
    - Constraint Layout
    - Absolute Layout
    - Table Layout
4. Create an application that takes the name from a text box and shows "**Hello Name**" message along with the name entered in text box, when the user clicks the OK button.
5. Create a screen that has input boxes for User Name, Password, and Address, Gender (radio buttons for male and female), Age (numeric), Date of Birth (Date Picket), State (Spinner) and a Submit button. On clicking the submit button, print all the data below the Submit Button (use any layout)

6. Design an android application to create page using Intent and one Button and pass the Values from one Activity to second Activity.
7. Write Java and XML code to demonstrate Implicit and Explicit Intent with example.
8. Develop a mobile application to take input for 3 fields for (number1, number2, and operator), calculate result according to operator passed and display result using Toast message.
9. Develop a mobile application to input your name, email, gender, age and website and display those information into same screen.
10. Develop an android application that take user input for name, email, phone and address and display those information into next activity.
11. Develop an android application to calculate simple interest. Your application should contains fields to input principal, rate, time and button for calculate simple interest. Display result into next screen.
12. Write Java code to demonstrate different lifecycle activities using different callback methods (Attach all logcat history to show lifecycle state)