



DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

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Experiment-3.2

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Section/Group: 707/B

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Subject Name: Mobile Application Development Lab

Subject Code: 20CSP-356

1. Aim:

Implement building blocks for Android Application using different layouts (such as linear, relative and absolute).

2. Apparatus / Simulator Used:

- Linux OS/ Windows 7 or above
- Android Studio
- Ram 4 GB and above
- Java (Including JDK & JRE)

3. Objective:

- To understand the concept of building blocks.
- To implement the building blocks in Android Studio.
- To implement the layout in Android Studio.
- To implement the relative in Android Studio.



4. Code:

MainActivity.java

```
package com.example.layoute;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity_main);

    }
}
```

activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
```

```
<RelativeLayout
```

```
    android:layout_width="fill_parent"
```

```
    android:layout_height="fill_parent"
```

```
    xmlns:android="http://schemas.android.com/apk/res/android">
```

```
    <Button
```

```
        android:id="@+id/button1"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:text="Top Left Button"
```

```
        android:layout_alignParentLeft="true"
```

```
        android:layout_alignParentTop="true"/>
```

```
    <Button
```

```
        android:id="@+id/button2"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:text="Top Right Button"
```

```
        android:layout_alignParentTop="true"
```

```
        android:layout_alignParentRight="true"/>
```

```
    <Button
```

```
        android:id="@+id/button3"
```

```
        android:layout_width="wrap_content"
```

```
        android:layout_height="wrap_content"
```

```
        android:text="Bottom Left Button"
```

```
        android:layout_alignParentLeft="true"
```

```
        android:layout_alignParentBottom="true"/>
```

<Button

```
    android:id="@+id/button4"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:text="Bottom Right Button"  
    android:layout_alignParentRight="true"  
    android:layout_alignParentBottom="true"/>
```

<Button

```
    android:id="@+id/button5"  
    android:layout_width="fill_parent"  
    android:layout_height="wrap_content"  
    android:text="Middle Button"  
    android:layout_centerVertical="true"  
    android:layout_centerHorizontal="true"/>
```

</RelativeLayout>

5. Output:

App overview

