**Program No:12** **31.10.2022**

Create a Facebook page using RelativeLayout, set properties using .xml file.

**Program Code:**

**activity\_main.xml:**

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

<RelativeLayout

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

xmlns:tools="http://schemas.android.com/tools"

android:id="@+id/activity\_main"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<RelativeLayout

android:id="@+id/relativeLayout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<ImageView

android:layout\_width="match\_parent"

android:layout\_height="200dp"

android:id="@+id/img1"

android:src="@drawable/cover"

android:scaleType="centerCrop"/>

<ImageView

android:layout\_width="70dp"

android:layout\_height="150dp"

android:id="@+id/profilePic"

android:src="@drawable/profpic"

android:layout\_alignBottom="@+id/linearLayout"/>

<LinearLayout

android:layout\_toRightOf="@+id/profilePic"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_below="@+id/img1"

android:orientation="horizontal"

android:weightSum="100"

android:id="@+id/linearLayout">

<Button

android:layout\_width="70dp"

android:layout\_height="40dp"

android:text="Timeline"

android:textSize="7dp"

android:layout\_weight="10"/>

<Button

android:layout\_width="60dp"

android:layout\_height="40dp"

android:layout\_weight="10"

android:textSize="7dp"

android:text="About" />

<Button

android:layout\_weight="10"

android:textSize="7dp"

android:layout\_width="60dp"

android:layout\_height="40dp"

android:text="Friends" />

<Button

android:layout\_weight="10"

android:textSize="7dp"

android:layout\_width="60dp"

android:layout\_height="40dp"

android:text="Photos" />

</LinearLayout>

<TextView

android:textColor="@color/white"

android:textStyle="bold"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Geethanjali Paul"

android:ems="20"

android:layout\_alignParentEnd="true"

android:id="@+id/textName"

android:layout\_alignBottom="@+id/img1"/>

</RelativeLayout>

<RelativeLayout

android:paddingRight="15dp"

android:paddingLeft="15dp"

android:paddingTop="15dp"

android:paddingBottom="15dp"

android:layout\_below="@+id/relativeLayout"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:orientation="horizontal"

android:id="@+id/linearLayout2">

<ImageView

android:layout\_width="25dp"

android:layout\_height="25dp"

android:src="@drawable/profpic"/>

<EditText

android:id="@+id/etPost"

android:layout\_marginLeft="10dp"

android:textSize="15dp"

android:layout\_width="match\_parent"

android:layout\_height="40dp"

android:hint="What's on your mind?"/>

</LinearLayout>

<Button

android:textSize="10dp"

android:text="Post"

android:layout\_width="70dp"

android:layout\_height="40dp"

android:layout\_alignParentRight="true"

android:layout\_below="@+id/linearLayout2"/>

</RelativeLayout>

</RelativeLayout>

**mainactivity.java:**

package com.example.facebook;

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);

}

}

**Output**

