**Simple HomeLoan Calculator:**

**MainActivity.java:**

**public class** MainActivity **extends** AppCompatActivity {  
  
 Button **cal\_bt**,**clr\_bt**;  
 EditText **loanamt**,**intrstrate**,**months**;  
 TextView **mpay**,**tpay**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
  
 **cal\_bt**=(Button)findViewById(R.id.***button***);  
 **clr\_bt**=(Button)findViewById(R.id.***button2***);  
  
 **loanamt**=(EditText)findViewById(R.id.***editText***);  
 **intrstrate**=(EditText)findViewById(R.id.***editText2***);  
 **months**=(EditText)findViewById(R.id.***editText3***);  
  
 **mpay**=(TextView)findViewById(R.id.***view1***);  
 **tpay**=(TextView)findViewById(R.id.***view2***);  
  
 **cal\_bt**.setOnClickListener(**new** View.OnClickListener() {  
 @TargetApi(Build.VERSION\_CODES.***N***)  
 @Override  
 **public void** onClick(View v) {  
 **double** Loanamount=Double.*parseDouble*(**loanamt**.getText().toString());  
 **double** IntrestRate=Double.*parseDouble*(**intrstrate**.getText().toString());  
 **int** Months=Integer.*parseInt*(**months**.getText().toString());  
  
 **double** r = IntrestRate/1200;  
 **double** r2= Math.*pow*(r+1,Months);  
  
 **double** MonthlyPay =(**double**)((r +(r/(r2- 1)))\*Loanamount);  
 **double** TotalPayment = MonthlyPay\*Months;  
 **mpay**.setText(**new** DecimalFormat().format(MonthlyPay)); *//java decimal* **tpay**.setText(**new** DecimalFormat().format(TotalPayment));  
  
 *// mpay.setText(new DecimalFormat("##.##").format(MonthlyPay));  
 //tpay.setText(new DecimalFormat("##.##").format(totalPayment));* }  
 });  
  
**clr\_bt**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 **loanamt**.setText(**""**);  
 **intrstrate**.setText(**""**);  
 **months**.setText(**""**);  
 **mpay**.setText(**""**);  
 **tpay**.setText(**""**);  
 }  
});  
  
  
 }  
}

**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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:paddingBottom="@dimen/activity\_vertical\_margin"  
 android:paddingLeft="@dimen/activity\_horizontal\_margin"  
 android:paddingRight="@dimen/activity\_horizontal\_margin"  
 android:paddingTop="@dimen/activity\_vertical\_margin"  
 android:background="@drawable/back"  
  
 tools:context="com.example.codingtown.homeloancalculator.MainActivity"**>  
  
 <**TextView  
android:layout\_centerHorizontal="true"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="HomeLoan Calculator"  
 android:textColor="#fbfbfb"  
 android:textStyle="bold"  
 android:textSize="25sp"  
 android:id="@+id/textView"** />  
  
 <**LinearLayout  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_below="@+id/textView"  
 android:layout\_alignParentLeft="true"  
 android:layout\_alignParentStart="true"  
 android:weightSum="1"**>  
  
 <**LinearLayout  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.03"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Loan Amount"  
 android:id="@+id/textView2"  
 android:textColor="#f9f5f5"  
 android:textStyle="bold"  
 android:textSize="18sp"** />  
  
 <**Space  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0.09"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText"  
 android:inputType="numberDecimal"  
 android:layout\_weight="0.75"  
 android:textColor="#030000"  
 android:textStyle="bold"  
 android:textSize="18sp"** />  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.06"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Intrest Rate"  
 android:id="@+id/textView3"  
 android:textColor="#fefefe"  
 android:textSize="18sp"  
 android:textStyle="bold"** />  
  
 <**Space  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0.23"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText2"  
 android:inputType="numberDecimal"  
 android:layout\_weight="1"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 android:textColor="#070000"** />  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.13"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Months"  
 android:id="@+id/textView4"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 android:textColor="#ffffff"** />  
  
 <**Space  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:layout\_weight="0.44"** />  
  
 <**EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/editText3"  
 android:inputType="number"  
 android:layout\_weight="1"  
 android:textSize="18sp"  
 android:textStyle="bold"  
 android:textColor="#060000"** />  
 </**LinearLayout**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="CALCULATE"  
 android:id="@+id/button"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_weight="0.03"  
 android:textStyle="bold"  
 android:textColor="#ffffff"  
 android:background="#6285f9"** />  
  
 <**LinearLayout  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.16"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="MonthlyPayments"  
 android:id="@+id/textView5"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 android:textColor="#ffffff"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/view1"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 android:textColor="#070000"** />  
 </**LinearLayout**>  
  
 <**LinearLayout  
 android:orientation="horizontal"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="0.15"**>  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="TotalPayments"  
 android:id="@+id/textView7"  
 android:textStyle="bold"  
 android:textSize="18sp"  
 android:textColor="#ffffff"** />  
  
 <**TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/view2"  
 android:textColor="#040000"  
 android:textSize="18sp"  
 android:textStyle="bold"** />  
 </**LinearLayout**>  
  
 <**Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="CLEAR"  
 android:id="@+id/button2"  
 android:layout\_gravity="center\_horizontal"  
 android:layout\_weight="0.03"  
 android:textStyle="bold"  
 android:textColor="#ffffff"  
 android:background="#6285f9"** />  
 </**LinearLayout**>  
</**RelativeLayout**>

Xml page:

