**18/01/2022**

**AIM: Implement basic arthemetic operations of a simple calulator.**

**PROGRAM**

**activity-main.xml**

*<?*xml version="1.0" encoding="utf-8"*?>*<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter First Number"  
 />  
 <EditText  
 android:id="@+id/et1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"/>  
  
 <TextView  
  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter second number"  
 />  
 <EditText  
 android:id="@+id/et2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"/>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content">  
 <Button  
 android:id="@+id/b"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="ADD"/>  
 <Button  
 android:id="@+id/bb"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="SUB"/>  
 <Button  
 android:id="@+id/bc"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="MUL"/>  
 <Button  
 android:id="@+id/bd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="DIV"/>  
  
 </LinearLayout>  
 <TextView  
 android:id="@+id/tv1"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"/>  
  
</LinearLayout>

**MainActivity.java**

{  
 Button b, bb, bc, bd;  
 EditText et1, et2;  
 TextView tv1;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 b=findViewById(R.id.*b*);  
 bb=findViewById(R.id.*bb*);  
 bc=findViewById(R.id.*bc*);  
 bd=findViewById(R.id.*bd*);  
 et1=findViewById(R.id.*et1*);  
 et2=findViewById(R.id.*et2*);  
 tv1=findViewById(R.id.*tv1*);  
 b.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Double a1 = Double.*parseDouble*(et1.getText().toString());  
 Double a2 = Double.*parseDouble*(et2.getText().toString());  
 Double r = a1 + a2;  
 tv1.setText("RESULT IS "+String.*valueOf*(r));  
  
 }  
 });  
  
 bb.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Double a1 = Double.*parseDouble*(et1.getText().toString());  
 Double a2 = Double.*parseDouble*(et2.getText().toString());  
 Double r = a1 - a2;  
 tv1.setText("RESULT IS "+String.*valueOf*(r));  
  
 }  
 });  
  
 bc.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Double a1 = Double.*parseDouble*(et1.getText().toString());  
 Double a2 = Double.*parseDouble*(et2.getText().toString());  
 Double r = a1 \* a2;  
 tv1.setText("RESULT IS "+String.*valueOf*(r));  
  
 }  
 });  
  
 bd.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Double a1 = Double.*parseDouble*(et1.getText().toString());  
 Double a2 = Double.*parseDouble*(et2.getText().toString());  
 Double r = a1 / a2;  
 tv1.setText("RESULT IS "+String.*valueOf*(r));  
  
 }  
 });  
  
 }  
}

**OUTPUT**

