PROGRAM NO:3

<u>AIM:</u> Implementing basic arithmetic operations of a simple calculator

PROGRAM CODE:

```
Mainac
              package com.example.calculator;
tivity.java
              import androidx.appcompat.app.AppCompatActivity;
              import android.os.Bundle;
              import android.view.View;
              import android.widget.Button;
              import android.widget.EditText;
              public class MainActivity extends AppCompatActivity
                 EditText e1,e2,e3;
                 Button b1,b2,b3,b4,b5,b6;
                 @Override
                 protected void onCreate(Bundle savedInstanceState)
                   super.onCreate(savedInstanceState);
                   setContentView(R.layout.activity_main);
                   e1=(EditText)findViewById(R.id.num1);
                   e2=(EditText)findViewById(R.id.num2);
                   e3=(EditText)findViewById(R.id.op);
                   b1=(Button)findViewById(R.id.add);
                   b2=(Button)findViewById(R.id.subtract);
                   b3=(Button)findViewById(R.id.divide);
                   b4=(Button)findViewById(R.id.multiply);
                   b5=(Button)findViewById(R.id.delete);
                 public void add(View view)
                   int n1=Integer.parseInt(e1.getText().toString());
                   int n2=Integer.parseInt(e2.getText().toString());
                   String n3=String.valueOf(n1+n2);
                   e3.setText(n3);
                 public void del(View view)
                   e1.setText("Enter number 1");
                   e2.setText("Enter number 2");
                   e3.setText("Output");
                 public void subtract(View view)
```

```
{
    int n1=Integer.parseInt(e1.getText().toString());
    int n2=Integer.parseInt(e2.getText().toString());
    String n3=String.valueOf(n1-n2);
    e3.setText(n3);
}

public void divide(View view)
{
    int n1=Integer.parseInt(e1.getText().toString());
    int n2=Integer.parseInt(e2.getText().toString());
    String n3=String.valueOf(n1/n2);
    e3.setText(n3);
}

public void multiply(View view)
{
    int n1=Integer.parseInt(e1.getText().toString());
    int n2=Integer.parseInt(e2.getText().toString());
    String n3=String.valueOf(n1*n2);
    e3.setText(n3);
}
```

```
activity_
              <?xml version="1.0" encoding="utf-8"?>
main.xml
             <androidx.constraintlayout.widget.ConstraintLayout
             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"
               tools:context=".MainActivity">
               <TextView
                 android:layout_width="222dp"
                 android:layout_height="50dp"
                 android:layout_marginStart="92dp"
                 android:text="Email ID"
                 android:textSize="36sp"
                 app:layout_constraintBottom_toBottomOf="parent"
                 app:layout_constraintLeft_toLeftOf="parent"
                 app:layout_constraintRight_toRightOf="parent"
                 app:layout_constraintStart_toStartOf="parent"
                 app:layout_constraintTop_toTopOf="parent"
                 app:layout constraintVertical bias="0.327"/>
               <EditText
                 android:id="@+id/editText"
                 android:layout_width="256dp"
                 android:layout_height="55dp"
                 android:ems="10"
                 android:inputType="textEmailAddress"
                 app:layout_constraintBottom_toBottomOf="parent"
                 app:layout_constraintEnd_toEndOf="parent"
                 app:layout_constraintHorizontal_bias="0.593"
                 app:layout_constraintStart_toStartOf="parent"
                 app:layout_constraintTop_toTopOf="parent"
                 app:layout constraintVertical bias="0.44" />
             </androidx.constraintlayout.widget.ConstraintLayout>
```

OUTPUT:



RESULT

Program Has Been Succesfully Executed And Output Is Obtained.