```
1. Activity.xml :
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/main"
    android:layout width="match parent"
    android:layout_height="match parent"
   tools:context=".MainActivity">
    <TextView
        android:id="@+id/textView"
        android:layout_width="374dp"
        android:layout_height="42dp"
        android:background="#41B0E2"
        android:backgroundTint="#2196F3"
        android:text="Calculetor"
        android:textAlignment="center"
        android:textSize="34sp"
        android:textColor="@color/white"
        android:textStyle="bold"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.567"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.023" />
    <TextView
        android:id="@+id/add"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="#3B3F40"
        android:text="Addition"
        android:textColor="@color/white"
        android:textSize="34sp"
        android:textStyle="italic"
        android:onClick="nextactivity"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.464"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.171" />
    <TextView
        android:id="@+id/sub"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Substruction"
        android:background="#3B3F40"
        android:textColor="@color/white"
        android:textSize="34sp"
        android:textStyle="italic"
        android:onClick="nextactivity"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.465"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.326" />
    <TextView
```

android:id="@+id/mult"

```
android:layout width="wrap content"
        android:layout height="wrap content"
        android:text="Multiplication"
        android:background="#3B3F40"
        android:textColor="@color/white"
        android:textSize="34sp"
        android:textStyle="italic"
        android:onClick="nextactivity"
        app:layout constraintBottom toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.465"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <TextView
        android:id="@+id/div"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Division"
        android:background="#3B3F40"
        android:textColor="@color/white"
        android:textSize="34sp"
        android:textStyle="italic"
        android:onClick="nextactivity"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout constraintHorizontal bias="0.465"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.653" />
</androidx.constraintlayout.widget.ConstraintLayout>
2. activity_addition.xml :
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/main"
    android:layout_width="match_parent"
   android:layout_height="match_parent"
   tools:context=".Addition">
    <EditText
        android:id="@+id/number1"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.368"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout constraintVertical bias="0.233" />
    <TextView
        android:id="@+id/textView2"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:text="Enter First number:"
        android:textSize="34sp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
```

```
app:layout constraintHorizontal bias="0.392"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.129" />
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="Enter Second number:"
        android:textSize="34sp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.62"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.371" />
    <EditText
        android:id="@+id/number2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.368"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Add"
        android:textSize="34sp"
        android:onClick="Addition"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout constraintEnd toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.861" />
    <TextView
        android:id="@+id/Result"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Result:
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.436"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.664" />
</androidx.constraintlayout.widget.ConstraintLayout>
3.activity substruction.xml :
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/main"
android:layout width="match parent"
android:layout_height="match_parent"
tools:context=".Substruction">
<EditText
    android:id="@+id/number1"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.368"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.233" />
<TextView
    android:id="@+id/textView2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Enter First number:"
    android:textSize="34sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.392"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.129" />
<TextView
    android:id="@+id/textView3"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Enter Second number:"
    android:textSize="34sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.62"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.371" />
<EditText
    android:id="@+id/number2"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:ems="10"
    android:inputType="text"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.368"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
<Button
    android:id="@+id/button"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
    android:text="Substruct"
    android:textSize="34sp"
    android:onClick="Substruct"
    app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout constraintEnd toEndOf="parent"
        app:layout constraintStart toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.861" />
        android:id="@+id/Result"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="Result: "
        android:textSize="34sp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.436"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.664" />
</androidx.constraintlayout.widget.ConstraintLayout>
4.activity_multiplication.xml :
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Multiplication">
    <EditText
        android:id="@+id/number1"
        android:layout width="wrap content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.368"
        app:layout_constraintStart_toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout_constraintVertical_bias="0.233" />
    <TextView
        android:id="@+id/textView2"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter First number:"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.392"
        app:layout_constraintStart_toStartOf="parent"
        app:layout constraintTop toTopOf="parent"
        app:layout_constraintVertical_bias="0.129" />
    <TextView
        android:id="@+id/textView3"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Enter Second number:"
        android:textSize="34sp"
        app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.62"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.371" />
    <EditText
        android:id="@+id/number2"
        android:layout width="wrap content"
        android:layout height="wrap content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.368"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent" />
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="Mutiply"
        android:textSize="34sp"
        android:onClick="Multiplication"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.861" />
    <TextView
        android:id="@+id/Result"
        android:layout_width="wrap_content"
        android:layout height="wrap content"
        android:text="Result: "
        android:textSize="34sp"
        app:layout constraintBottom toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintHorizontal_bias="0.436"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout constraintVertical bias="0.664" />
</androidx.constraintlayout.widget.ConstraintLayout>
5.activity_division.xml :
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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:id="@+id/main"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
   tools:context=".Division">
    <EditText
        android:id="@+id/number1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:ems="10"
        android:inputType="text"
        android:textSize="24sp"
```

```
app:layout constraintBottom toBottomOf="parent"
   app:layout constraintEnd toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.368"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.233" />
<TextView
   android:id="@+id/textView2"
    android:layout width="wrap content"
    android:layout height="wrap content"
    android:text="Enter First number:"
   android:textSize="34sp"
   app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.392"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.129" />
<TextView
   android:id="@+id/textView3"
    android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:text="Enter Second number:"
   android:textSize="34sp"
   app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.62"
   app:layout_constraintStart_toStartOf="parent"
   app:layout_constraintTop_toTopOf="parent"
    app:layout constraintVertical bias="0.371" />
<EditText
   android:id="@+id/number2"
    android:layout width="wrap content"
    android:layout_height="wrap_content"
   android:ems="10"
   android:inputType="text"
   android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintHorizontal_bias="0.368"
    app:layout constraintStart toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
<Button
   android:id="@+id/button"
    android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:text="Divided"
   android:textSize="34sp"
    android:onClick="Division"
    app:layout_constraintBottom_toBottomOf="parent"
   app:layout_constraintEnd_toEndOf="parent"
   app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
   app:layout_constraintVertical_bias="0.861" />
<TextView
   android:id="@+id/Result"
    android:layout_width="wrap_content"
   android:layout_height="wrap_content"
   android:text="Result: "
    android:textSize="34sp"
    app:layout_constraintBottom_toBottomOf="parent"
```

```
app:layout constraintEnd toEndOf="parent"
        app:layout constraintHorizontal bias="0.436"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent"
        app:layout_constraintVertical_bias="0.664" />
</androidx.constraintlayout.widget.ConstraintLayout>
6. mainActivity.java:
package com.example.simple calculetor;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class MainActivity extends AppCompatActivity {
   @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_main);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
   }
    public void nextactivity(View view){
        TextView add=findViewById(R.id.add);
        TextView sub=findViewById(R.id.sub);
        TextView mult=findViewById(R.id.mult);
        TextView div=findViewById(R.id.div);
        int id=view.getId();
        if(id==R.id.add){
            Intent intent = new Intent(MainActivity.this,Addition.class);
            startActivity(intent);
        }else if(id==R.id.sub){
            Intent intent = new Intent(MainActivity.this,Substruction.class);
            startActivity(intent);
        }else if(id==R.id.mult){
            Intent intent = new Intent(MainActivity.this,Multiplication.class);
            startActivity(intent);
        }else if(id==R.id.div){
            Intent intent = new Intent(MainActivity.this,Division.class);
            startActivity(intent);
        }
   }
}
7. Addition.java:
```

```
package com.example.simple calculetor;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class Addition extends AppCompatActivity {
    @Override
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_addition);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    public void Addition(View view){
        EditText et1=findViewById(R.id.number1);
        EditText et2=findViewById(R.id.number2);
        TextView result=findViewById(R.id.Result);
        String num1=(et1.getText()).toString();
        String num2=(et2.getText()).toString();
        int result1=(Integer.parseInt(num1))+(Integer.parseInt(num2));
        result.setText("Result: "+result1);
}
8. Substruction.java:
package com.example.simple_calculetor;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class Substruction extends AppCompatActivity {
   @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity substruction);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    }
```

```
public void Substruct(View view){
        EditText et1=findViewById(R.id.number1);
        EditText et2=findViewById(R.id.number2);
        TextView result=findViewById(R.id.Result);
        String num1=(et1.getText()).toString();
        String num2=(et2.getText()).toString();
        int result1=(Integer.parseInt(num1))-(Integer.parseInt(num2));
        result.setText("Result: "+result1);
   }
}
9.Multiplication.java:
package com.example.simple_calculetor;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
public class Multiplication extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_multiplication);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
       });
    public void Multiplication(View view){
        EditText et1=findViewById(R.id.number1);
        EditText et2=findViewById(R.id.number2);
        TextView result=findViewById(R.id.Result);
        String num1=(et1.getText()).toString();
        String num2=(et2.getText()).toString();
        int result1=(Integer.parseInt(num1))*(Integer.parseInt(num2));
        result.setText("Result: "+result1);
    }
}
10.Division.java:
package com.example.simple_calculetor;
import android.os.Bundle;
import android.view.View;
import android.widget.EditText;
import android.widget.TextView;
import androidx.activity.EdgeToEdge;
import androidx.appcompat.app.AppCompatActivity;
import androidx.core.graphics.Insets;
import androidx.core.view.ViewCompat;
import androidx.core.view.WindowInsetsCompat;
```

```
public class Division extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        EdgeToEdge.enable(this);
        setContentView(R.layout.activity_division);
        ViewCompat.setOnApplyWindowInsetsListener(findViewById(R.id.main), (v, insets) -> {
            Insets systemBars = insets.getInsets(WindowInsetsCompat.Type.systemBars());
            v.setPadding(systemBars.left, systemBars.top, systemBars.right, systemBars.bottom);
            return insets;
        });
    public void Division(View view){
        EditText et1=findViewById(R.id.number1);
        EditText et2=findViewById(R.id.number2);
        TextView result=findViewById(R.id.Result);
        String num1=(et1.getText()).toString();
        String num2=(et2.getText()).toString();
        int result1=(Integer.parseInt(num1))/(Integer.parseInt(num2));
        result.setText("Result: "+result1);
    }
}
```