**Java Code:**

**package** com.example.addition;

**import** android.os.Bundle;

**import** android.app.Activity;

**import** android.view.Menu;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button;

**import** android.widget.EditText;

**import** android.widget.Toast;

**public** **class** MainActivity **extends** Activity {

**private** EditText edittext1,edittext2;

**private** Button Btn\_Add ;

**private** Button Btn\_Sub ;

**private** Button Btn\_Mul ;

**private** Button Btn\_Div ;

@Override

**protected** **void** onCreate(Bundle savedInstanceState) {

**super**.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

addListenerOnButton();

}

**public** **void** addListenerOnButton(){

edittext1=(EditText)findViewById(R.id.*editText1*);

edittext2=(EditText)findViewById(R.id.*editText2*);

Btn\_Add=(Button)findViewById(R.id.*button1*);

Btn\_Sub=(Button)findViewById(R.id.*button2*);

Btn\_Mul=(Button)findViewById(R.id.*button3*);

Btn\_Div=(Button)findViewById(R.id.*button4*);

Btn\_Add.setOnClickListener(**new** OnClickListener(){

@Override

**public** **void** onClick(View view) {

String value1=edittext1.getText().toString();

String value2=edittext2.getText().toString();

**int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** sum=a+b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(sum),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Sub.setOnClickListener(**new** OnClickListener(){

@Override

**public** **void** onClick(View view) {

String value1=edittext1.getText().toString();

String value2=edittext2.getText().toString();

**int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** sub=a-b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(sub),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Mul.setOnClickListener(**new** OnClickListener(){

@Override

**public** **void** onClick(View view) {

String value1=edittext1.getText().toString();

String value2=edittext2.getText().toString();

**int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** m=a\*b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(m),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Div.setOnClickListener(**new** OnClickListener(){

@Override

**public** **void** onClick(View view) {

String value1=edittext1.getText().toString();

String value2=edittext2.getText().toString();

**int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** n=a/b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(n),Toast.*LENGTH\_LONG*).show();

}

});

}

@Override

**public** **boolean** onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.*main*, menu);

**return** **true**;

}

}

XML Code:

<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"*

tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/editText1"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignParentLeft=*"true"*

android:layout\_alignParentTop=*"true"*

android:layout\_marginLeft=*"53dp"*

android:layout\_marginTop=*"34dp"*

android:ems=*"10"*

android:inputType=*"number"* >

<requestFocus />

</EditText>

<EditText

android:id=*"@+id/editText2"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignLeft=*"@+id/editText1"*

android:layout\_below=*"@+id/editText1"*

android:layout\_marginTop=*"48dp"*

android:ems=*"10"*

android:inputType=*"number"* />

<Button

android:id=*"@+id/button1"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignLeft=*"@+id/editText2"*

android:layout\_alignParentBottom=*"true"*

android:layout\_marginBottom=*"114dp"*

android:layout\_marginLeft=*"17dp"*

android:text=*"@string/Btn\_Add"* />

<Button

android:id=*"@+id/button2"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignBaseline=*"@+id/button1"*

android:layout\_alignBottom=*"@+id/button1"*

android:layout\_alignRight=*"@+id/editText2"*

android:layout\_marginRight=*"20dp"*

android:text=*"@string/Btn\_Sub"* />

<Button

android:id=*"@+id/button4"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignLeft=*"@+id/editText2"*

android:layout\_below=*"@+id/button2"*

android:layout\_marginTop=*"24dp"*

android:text=*"@string/Btn\_Div"* />

<Button

android:id=*"@+id/button3"*

android:layout\_width=*"wrap\_content"*

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

android:layout\_alignLeft=*"@+id/button2"*

android:layout\_alignParentBottom=*"true"*

android:layout\_marginBottom=*"28dp"*

android:text=*"@string/Btn\_Mul"* />

</RelativeLayout>

String XML:

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

<resources>

<string name=*"app\_name"*>Addition</string>

<string name=*"action\_settings"*>Settings</string>

<string name=*"hello\_world"*>Hello world!</string>

<string name=*"Btn\_Add"*>Add</string>

<string name=*"Btn\_Sub"*>Sub</string>

<string name=*"Btn\_Mul"*>Mul</string>

<string name=*"Btn\_Div"*>Div</string>

</resources>