**MainActivity.java:**

package com.example.lab2\_functions;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.util.Log;  
import android.view.View;  
import android.widget.Button;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.io.IOException;  
  
public class MainActivity extends AppCompatActivity {  
  
 Button btn;  
 TextView txt;  
  
 int input, result, result2;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 txt =(TextView) findViewById(R.id.*text\_view*);  
 btn =(Button) findViewById(R.id.*check\_button*);  
  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
  
 public void onClick(View v) {  
  
 try {  
 input = Integer.*parseInt*(txt.getText().toString());  
 result = input \* 3;  
 Toast.*makeText*(MainActivity.this, "Result: " + result, Toast.*LENGTH\_SHORT*).show();  
 result2 = input/0;  
 Toast.*makeText*(MainActivity.this, "Result: " + result, Toast.*LENGTH\_SHORT*);  
  
 }  
 catch (Exception e){  
 if(result2 != 0){  
 Log.*i*("Exception Information","Divided by zero");  
 }  
 else {  
 Log.*e*("Exception Error", "Cannot divide by zero");  
 }  
  
   
 }  
 });  
 }}

**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"  
 android:weightSum="10"  
 tools:context=".MainActivity">  
  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text=""  
 android:layout\_weight="2"  
 android:textAlignment="center"  
 android:textSize="20dp" />  
  
 <EditText  
 android:id="@+id/text\_view"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:hint="Enter any Integer"  
 android:textSize="20dp" />  
  
 <Button  
 android:id="@+id/check\_button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="center"  
 android:text="Check"  
 android:textSize="20dp" />  
  
  
</LinearLayout>

**Output:**

