***1.Create a program which contains a textfield and a button and on click of the button method is called in which the number entered in textfield is multiplied by ‘3’ and the result generated is displayed using toast message.***

***XML FILE:***

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

*<android.support.constraint.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">*

*<EditText*

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

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

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

*android:hint="Enter Number : "*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintLeft\_toLeftOf="parent"*

*app:layout\_constraintRight\_toRightOf="parent"*

*app:layout\_constraintTop\_toTopOf="parent" />*

*<Button*

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

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

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

*android:text="Get Product of Entered Number by 3"*

*android:onClick="btnOnClick"*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintLeft\_toLeftOf="parent"*

*app:layout\_constraintRight\_toRightOf="parent"*

*app:layout\_constraintTop\_toTopOf="@id/txtView"/>*

*</android.support.constraint.ConstraintLayout>*

***JAVA FILE:***

*public class MainActivity extends AppCompatActivity {*

*TextView txt;*

*Button btn;*

*Integer num, answer;*

*@Override*

*protected void onCreate(Bundle savedInstanceState) {*

*super.onCreate(savedInstanceState);*

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

*txt=(TextView) findViewById(R.id.txtView);*

*}*

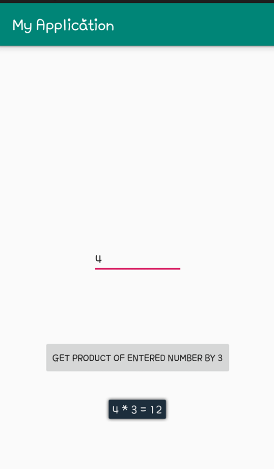
*public void btnOnClick(View v){*

*num=Integer.parseInt(txt.getText().toString());*

*answer=num\*3;*

*Toast.makeText(getApplicationContext(), "Answer is : "+answer, Toast.LENGTH\_SHORT).show();*

*}*

**

***2. Also call a function that will divide the number entered in textfield by 0. If successfully executed , the log should show info(log.i) else should show the exception (log.e).[use try catch]***

***XML FILE:***

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

*<android.support.constraint.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"*

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*xmlns:tools="http://schemas.android.com/tools"*

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*android:layout\_height="match\_parent"*

*tools:context=".MainActivity">*

*<EditText*

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

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

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

*android:hint="Enter Number : "*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintLeft\_toLeftOf="parent"*

*app:layout\_constraintRight\_toRightOf="parent"*

*app:layout\_constraintTop\_toTopOf="parent" />*

*<Button*

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

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

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

*android:text="Get Division"*

*android:onClick="btnOnClick"*

*app:layout\_constraintBottom\_toBottomOf="parent"*

*app:layout\_constraintLeft\_toLeftOf="parent"*

*app:layout\_constraintRight\_toRightOf="parent"*

*app:layout\_constraintTop\_toTopOf="@id/txtView"/>*

*</android.support.constraint.ConstraintLayout>*

***JAVA FILE:***

*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;*

*public class MainActivity extends AppCompatActivity {*

*TextView txt;*

*Button btn;*

*Integer num, ans;*

*@Override*

*protected void onCreate(Bundle savedInstanceState) {*

*super.onCreate(savedInstanceState);*

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

*txt=(TextView) findViewById(R.id.txtView);*

*}*

*public void btnOnClick(View v){*

*try{*

*num=Integer.parseInt(txt.getText().toString());*

*ans=num/0;*

*Log.i("20190325", "Input number divide by 0 : " +ans);*

*}*

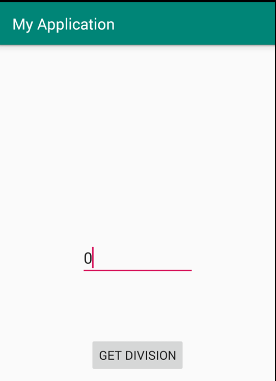
*catch(Exception e){*

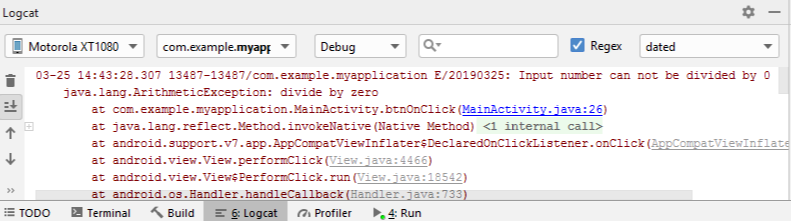
*Log.e("20190325", "Input number can not be divided by 0", e);*

*}*

*}*

*}*

**

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