**Task #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);

}

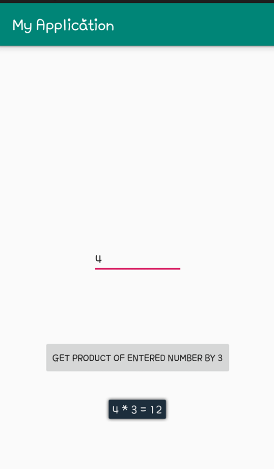
public void btnOnClick(View v){

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

answer=num\*3;

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

}



**Task #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"

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 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);

}

}

}

