Ex no 3

To Find if prime

Activity:

<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"* >

<Button

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

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

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

android:layout\_centerHorizontal=*"true"*

android:layout\_centerVertical=*"true"*

android:text=*"check"* />

<EditText

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

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

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

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

android:layout\_centerHorizontal=*"true"*

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

android:ems=*"10"* >

<requestFocus />

</EditText>

</RelativeLayout>

JAVA

package com.example.layoutmanager;

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 Button b1;

private Button b2;

private EditText ed1;

private String msg="";

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

ed1=(EditText)findViewById(R.id.editText1);

b2=(Button)findViewById(R.id.button2);

b2.setOnClickListener(new OnClickListener() {

@Override

public void onClick(View arg0) {

// TODO Auto-generated method stub

String x=ed1.getText().toString();

int w=Integer.parseInt(x);

int flag=1;

for (int i=2;i<w;i++)

{

if(w%i==0)

{

flag=0;

break;

}

}

if(flag==0)

{

msg="NON PRIME";

Toast toast=Toast.makeText(getApplicationContext(),msg,Toast.LENGTH\_SHORT);

toast.show();

}

else{

msg="PRIME";

Toast toast=Toast.makeText(getApplicationContext(),msg,Toast.LENGTH\_SHORT);

toast.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;

}

}

Output



