**EXERCISE NO:7**

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**PROGRAM:**

**MainActivity.java:**

package com.example.ex7;  
  
import android.app.Notification;  
import android.app.NotificationManager;  
import android.app.PendingIntent;  
import android.content.Intent;  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
  
public class MainActivity extends AppCompatActivity {  
 Button b;  
 EditText e;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate( savedInstanceState );  
 setContentView( R.layout.*activity\_main* );  
 b=(Button)findViewById( R.id.*b* );  
 e=(EditText)findViewById( R.id.*e* );  
 b.setOnClickListener( new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent=new Intent( MainActivity.this,MainActivity2.class );  
 PendingIntent pendingIntent = PendingIntent.*getActivity*( MainActivity.this, 0, intent, 0 );  
 Notification notification = new Notification.Builder( MainActivity.this )  
 .setContentTitle( "New Message")  
 .setContentText( e.getText().toString())  
 .setSmallIcon( R.mipmap.*ic\_launcher*)  
 .setContentIntent( pendingIntent ).build();  
 NotificationManager manager = (NotificationManager) getSystemService( *NOTIFICATION\_SERVICE* );  
 notification.flags |= Notification.*FLAG\_AUTO\_CANCEL*;  
 manager.notify( 0, notification );  
 }  
 } );  
 }  
}  
  
**activity\_main.xml:**

*<?*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="com.example.ex7.MainActivity">  
  
 <RelativeLayout  
 android:layout\_width="368dp"  
 android:layout\_height="495dp"  
 tools:layout\_editor\_absoluteX="8dp"  
 tools:layout\_editor\_absoluteY="8dp">  
  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentTop="true"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="22dp"  
 android:text="Message"  
 android:textSize="24sp"  
 android:textStyle="bold" />  
  
 <EditText  
 android:id="@+id/e"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@+id/textView"  
 android:layout\_centerHorizontal="true"  
 android:layout\_marginTop="40dp"  
 android:ems="10"  
 android:inputType="textPersonName" />  
  
 <Button  
 android:id="@+id/b"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignStart="@+id/textView"  
 android:layout\_below="@+id/e"  
 android:layout\_marginTop="72dp"  
 android:text="notify" />  
 </RelativeLayout>  
</android.support.constraint.ConstraintLayout>

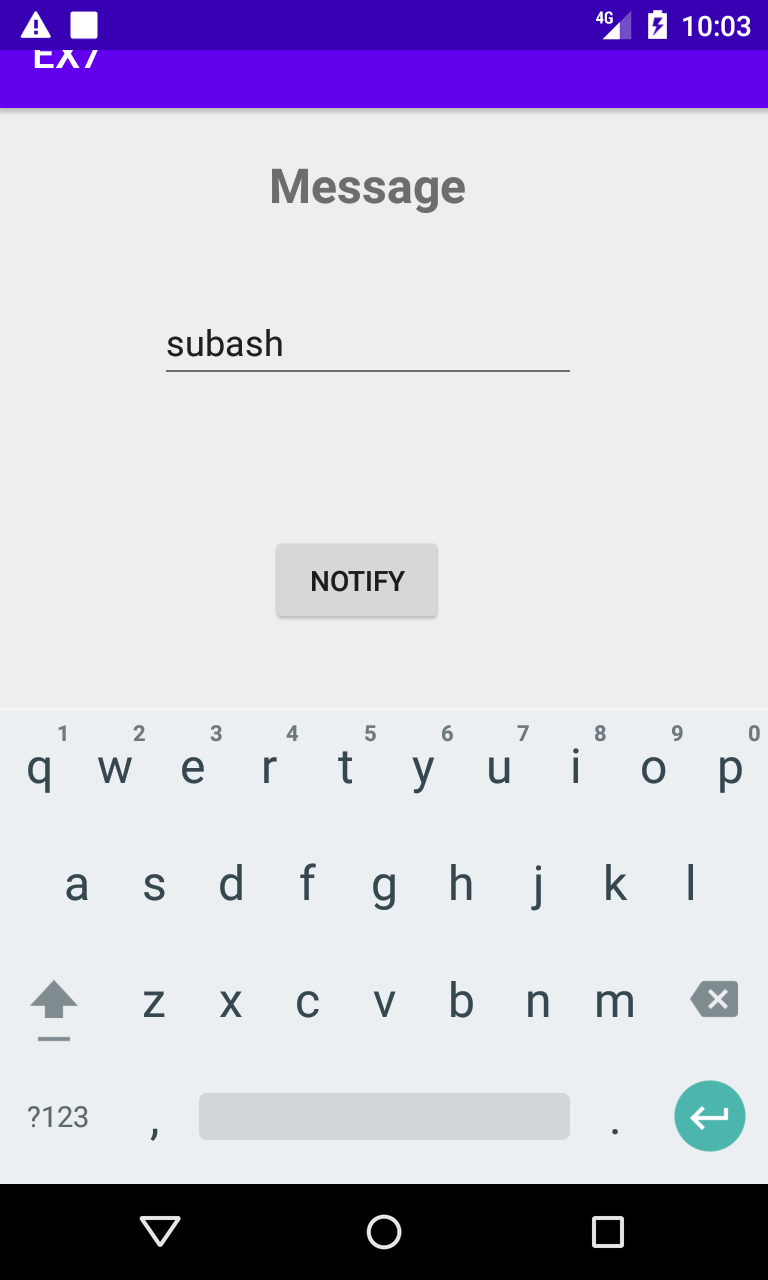
**MainActivity2.java:**

package com.example.ex7;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
  
  
public class MainActivity2 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate( savedInstanceState );  
 setContentView( R.layout.*activity\_main2* );  
  
 }  
}

**activity\_main2.xml:**

*<?*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="com.example.ex7.MainActivity2">  
  
</android.support.constraint.ConstraintLayout>

**OUTPUT:**

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