# PRACTICAL: 1

**AIM: Introduction to Android and Create "Custom Message" application. That will display "Custom Message" in the middle of the screen in the Black color with the Yellow background.**

**Source Code:**

**Layout File/s:**
**activity_main.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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:background="@color/background"
    android:id="@+id/relativelayout "
    tools:context=".MainActivity">


    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello"
        android:layout_centerInParent="true"
        android:textColor="@color/text"
        android:textSize="60sp"
        android:id="@+id/txt1"
        />
</RelativeLayout>
```

**activity_main2.xml**

```xml
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout 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_gravity="center"
    android:layout_height="match_parent"
    android:background="@color/bgcolor"
    tools:context=".Main2Activity">

    <EditText
        android:id="@+id/text"
        android:layout_width="256dp"
        android:layout_height="wrap_content"
```

```
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="260dp"
        android:hint="Enter the Text" />

    <Button
        android:id="@+id/bt1"
        android:layout_width="128dp"
        android:layout_height="64dp"
        android:layout_alignParentBottom="true"
        android:layout_centerHorizontal="true"
        android:layout_marginBottom="247dp"
        android:text="SHOW"
        android:textSize="15sp" />
</RelativeLayout>
```

**Java File/s:**
**MainActivity.java**

```
package com.example.practical1;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.TextView;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {

    TextView tx;
    RelativeLayout relativelayout;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        tx = findViewById(R.id.txt1);
        relativeLayout = findViewById(R.id.relativelayout);
        Intent in = getIntent();
        String st = in.getStringExtra("text");
        tx.setText(st);
        relativeLayout.setBackgroundColor(Color.YELLOW);

    }
}
```

**Main2Activity.java**

```
package com.example.practical1;
```

```java
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 Main2Activity extends AppCompatActivity {

    EditText edt;
    Button bt;

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);

        edt = findViewById(R.id.text);
        bt = findViewById(R.id.bt1);

        bt.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String s = edt.getText().toString();

                Intent in = new Intent(Main2Activity.this, MainActivity.class);
                in.putExtra("text", s);
                startActivity(in);
            }
        });
    }
}
```

**OUTPUT:**