

 $next \rightarrow$

action.

The LabeledIntent is the subclass of android.content.Intent class.

Android intents are mainly used to:

```
· Start the service
```

- Launch an activity
- Display a web page Display a list of contacts
- Broadcast a message Dial a phone call etc.
- Types of Android Intents

1) Implicit Intent

There are two types of intents in android: implicit and explicit.

system that is to be invoked.

2) Explicit Intent

Intent intent=new Intent(Intent.ACTION_VIEW);

Implicit Intent doesn't specifiy the component. In such case, intent provides information of available components provided by the

startActivity(intent);

intent.setData(Uri.parse("http://www.javatpoint.com"));

For example, you may write the following code to view the webpage.

```
Intent i = new Intent(getApplicationContext(), ActivityTwo.class);
startActivity(i);
```

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

Explicit Intent specifies the component. In such case, intent provides the external class to be invoked.

Let's see the simple example of implicit intent that displays a web page.

activity_main.xml

To get the full code of explicit intent, visit the next page.

Android Implicit Intent Example

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

```
xmlns:app="http://schemas.android.com/apk/res-auto"
```

File: activity_main.xml

```
android:layout_width="match_parent"
  android:layout_height="match_parent"
  tools:context="example.javatpoint.com.implicitintent.MainActivity">
  <EditText
     android:id="@+id/editText"
    android:layout_marginEnd="8dp"
    android:layout_marginStart="8dp"
    android:layout_marginTop="60dp"
    android:ems="10"
    app:layout_constraintEnd_toEndOf="parent"
     app:layout_constraintHorizontal_bias="0.575"
     app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
  <Button
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginRight="8dp"
     android:layout_marginTop="172dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.0"
     app:layout_constraintStart_toStartOf="parent"
     app:layout_constraintTop_toBottomOf="@+id/editText" />
</android.support.constraint.ConstraintLayout>
```

import android.net.Uri; import android.support.v7.app.AppCompatActivity;

Activity class

File: MainActivity.java

import android.content.Intent;

import android.os.Bundle;

package example.javatpoint.com.implicitintent;

```
import android.view.View;
```

```
import android.widget.Button;
  import android.widget.EditText;
  public class MainActivity extends AppCompatActivity {
    Button button;
    EditText editText;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
       super.onCreate(savedInstanceState);
       setContentView(R.layout.activity_main);
       button = findViewById(R.id.button);
       editText = findViewById(R.id.editText);
       button.setOnClickListener(new View.OnClickListener() {
          @Override
          public void onClick(View view) {
            String url=editText.getText().toString();
            Intent intent=new Intent(Intent.ACTION_VIEW, Uri.parse(url));
            startActivity(intent);
          }
       });
    }
Output:
```

