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HELLO WORLD DEMO

File: 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=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</android.support.constraint.ConstraintLayout>
```

File: MainActivity.java

```
package com.example.surya.helloworlddemo;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
    }
}
```

ACTIVITY LIFE CYCLE DEMO

File: 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=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Hello World"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintLeft_toLeftOf="parent"
        app:layout_constraintRight_toRightOf="parent"
        app:layout_constraintTop_toTopOf="parent" />

</android.support.constraint.ConstraintLayout>
```

File: MainActivity.java

```
package com.example.surya.activitylifecycledemo;

import android.app.Activity;
import android.os.Bundle;
import android.util.Log;

public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        Log.d("lifecycle", "onCreate invoked");
    }

    @Override
    protected void onStart() {
        super.onStart();
        Log.d("lifecycle", "onStart invoked");
    }
}
```

```
}  
@Override  
protected void onResume() {  
    super.onResume();  
    Log.d("lifecycle","onResume invoked");  
}  
@Override  
protected void onPause() {  
    super.onPause();  
    Log.d("lifecycle","onPause invoked");  
}  
@Override  
protected void onStop() {  
    super.onStop();  
    Log.d("lifecycle","onStop invoked");  
}  
@Override  
protected void onRestart() {  
    super.onRestart();  
    Log.d("lifecycle","onRestart invoked");  
}  
@Override  
protected void onDestroy() {  
    super.onDestroy();  
    Log.d("lifecycle","onDestroy invoked");  
}  
}
```

ANDROID TOAST CLASS DEMO

File: activity_main.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"
    tools:context=".MainActivity">
    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:onClick="display"
        android:layout_height="wrap_content"
        android:layout_centerInParent="true"
        android:text="Implicit Intent" />
</RelativeLayout>
```

File: MainActivity.java

```
package com.example.surya.toastclassdemo;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

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

```
        Toast.makeText(getApplicationContext(),"Button is  
Clicked",Toast.LENGTH_SHORT).show();  
    }  
}
```

LOG CLASS DEMO

File: activity_main.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"  
    tools:context=".MainActivity">  
  
    <Button  
        android:id="@+id/button"  
        android:layout_width="wrap_content"  
        android:onClick="display"  
        android:layout_height="wrap_content"  
        android:layout_centerInParent="true"  
        android:text="Implicit Intent" />  
  
</RelativeLayout>
```

File: MainActivity.java

```
package com.example.surya.logclassdemo

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

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

        Log.i("logexample", "Button is Clicked");
    }
}
```

IMPLICIT INTENT DEMO

File: activity_main.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"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
```

```
android:layout_marginTop="82dp"
android:text="Implicit Intent Demo"
android:textColor="#FF0000"
android:textSize="30sp"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
```

<Button

```
android:id="@+id/button"
android:layout_width="wrap_content"
android:onClick="openBrowser"
android:layout_height="wrap_content"
android:layout_centerInParent="true"
android:text="Implicit Intent" />
```

</RelativeLayout>

[File: MainActivity.java](#)

```
package com.example.surya.implicitintendemo;

import android.content.Intent;
import android.net.Uri;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
```



```

import android.view.View;

public class MainActivity extends AppCompatActivity {

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

    public void openBrowser(View view)
    {
        Intent i = new Intent(Intent.ACTION_VIEW);
        i.setData(Uri.parse("https://www.kluniversity.in"));
        startActivity(i);
    }
}

```

[EXPLICIT INTENT DEMO \(Navigation\)](#)

File: activity_first.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"
    tools:context=".FirstActivity">

```

<TextView

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="50dp"
    android:text="First Activity"
    android:textColor="#0000FF"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

<Button

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:onClick="openNextActivity"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="163dp"
    android:text="Go to Second Activity"
    />
```

</RelativeLayout>

File: activity_second.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"
    tools:context=".SecondActivity">

    <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="140dp"
        android:text="Second Activity"
        android:textColor="#FF0000"
        android:textSize="30sp" />

</RelativeLayout>
```

File: FirstActivity.java

```
package com.example.surya.explicitintendemo;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;

public class FirstActivity extends AppCompatActivity {

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

    public void opennextActivity(View view)
    {
        Intent i=new Intent(FirstActivity.this,SecondActivity.class);
        startActivity(i);
    }
}
```

File: SecondActivity.java

```
package com.example.surya.explicitintendemo;

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

public class SecondActivity extends AppCompatActivity {

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

EXPLICIT INTENT DEMO (Data Sharing)

File: activity_first.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"

tools:context=".FirstActivity">
```

```
<TextView
```

```
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="50dp"
    android:text="First Activity"
    android:textColor="#0000FF"
    android:textSize="24sp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintLeft_toLeftOf="parent"
    app:layout_constraintRight_toRightOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```

```
<Button
```

```
    android:id="@+id/button"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_alignParentTop="true"
    android:onClick="opennextActivity"
    android:layout_centerHorizontal="true"
    android:layout_marginTop="163dp"
    android:text="Go to Second Activity"

/>
```

</RelativeLayout>

File: activity_second.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"

tools:context=".SecondActivity">

<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="140dp"

android:text="Second Activity"

android:textColor="#FF0000"

android:textSize="30sp" />

</RelativeLayout>

File: FirstActivity.java

```
package com.example.surya.explicitintendemo;

import android.content.Intent;
import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.view.View;

public class FirstActivity extends AppCompatActivity {

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

    public void opennextActivity(View view)
    {
        Intent i=new Intent(FirstActivity.this,SecondActivity.class);
        i.putExtra("name", "Surya Kiran");
        i.putExtra("qualif","MTech");
        startActivity(i);
    }
}
```


File: SecondActivity.java

```
package com.example.surya.explicitintendemo;

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

public class SecondActivity extends AppCompatActivity {

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

        Intent i = getIntent();

        String name = i.getStringExtra("name");

        String qualification = i.getStringExtra("qualf");

        String msg = name+" "+qualification;

        Toast.makeText(getApplicationContext(),msg,Toast.LENGTH_SHORT).show();
    }
}
```

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