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Subject: Mobile App Development.

manifest.xml>

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
package="com.example.midterm">
                  android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
android:roundlcon="@mipmap/ic_launcher_round"
android:supportsRtl="true"
    android:theme="@style/Theme.MidTerm">
    <activity
android:name=".MainActivity"
android:exported="true">
      <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER"</pre>
      </intent-filter>
    </activity> <activity
android:name=".ExplicitActivity"
android: exported="true">
    </activity>
  </application>
</manifest>
```

MainActivity.java>

```
package com.example.midterm;
```

import androidx.appcompat.app.AppCompatActivity;

import

android.content.Intent; import android.net.Uri; import android.os.Bundle; import

```
android.view.View; import
android.widget.Button;
public class MainActivity extends AppCompatActivity {
Button explicit, implicit; @Override protected void
onCreate(Bundle savedInstanceState) {
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main); explicit =
(Button)findViewById(R.id.explicit); implicit =
(Button)findViewById(R.id.implicit);
 explicit.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
      Intent i = new Intent(getApplicationContext() ,ExplicitActivity.class);
startActivity(i);
  }
 });
 implicit.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
                                       Intent
i = new Intent(Intent.ACTION_DIAL);
i.setData(Uri.parse("tel:"+ "123456789"));
     startActivity(i);
 });
  } }
```

ExplicitActivity>

```
package com.example.midterm;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class ImplicitActivity extends AppCompatActivity {

@Override protected void onCreate(Bundle savedInstanceState) {
```

```
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_explicit);
}}
```

MainActivity.xml>

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout</pre>
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="Alok Sajwan"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout_constraintRight_toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
              android:id="@+id/implicit"
android:layout width="222dp"
android:layout_height="60dp"
android:layout_marginBottom="160dp"
android:text="Implicit"
app:layout constraintBottom toBottomOf="parent"
app:layout constraintEnd toEndOf="parent"
app:layout constraintHorizontal bias="0.551"
app:layout_constraintStart_toStartOf="parent" />
              android:id="@+id/explicit"
android:layout width="222dp"
android:layout height="60dp"
android:layout_marginTop="484dp"
android:text="Explicit"
app:layout_constraintEnd_toEndOf="parent"
app:layout constraintHorizontal bias="0.551"
app:layout constraintStart toStartOf="parent"
app:layout constraintTop toTopOf="parent" />
```

</androidx.constraintlayout.widget.ConstraintLayout>

ExplicitActivity.xml>

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.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=".ExplicitActivity">

<TextView android:id="@+id/textView"</pre>
```

```
android:id="@+id/textView"
android:layout_width="367dp"
android:layout_height="415dp" android:text="This
is triggred via explicit intent"
android:textSize="50px"
android:textAlignment="center"
app:layout_constraintBottom_toBottomOf="parent"
app:layout_constraintEnd_toEndOf="parent"
app:layout_constraintStart_toStartOf="parent"
app:layout_constraintTop_toTopOf="parent" />
</androidx.constraintlayout.widget.ConstraintLayout>
```





