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Subject: Mobile App Development

Ques1. Develop an android application to demonstrate Implicit as well as Explicit Intent.

manifest.xml>

```
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
package="com.example.midterm">
 <application
                 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" />
      </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) {
i = new Intent(Intent.ACTION_DIAL);
     i.setData(Uri.parse("tel:"+ " 9758274344"));
     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
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">
                android:layout_width="wrap_content"
 <TextView
android:layout height="wrap content"
android:text="Vinay Rawat"
app:layout constraintBottom toBottomOf="parent"
app:layout_constraintLeft_toLeftOf="parent"
app:layout constraintRight toRightOf="parent"
app:layout_constraintTop_toTopOf="parent" />
             android:id="@+id/implicit"
 <Button
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"
```

</androidx.constraintlayout.widget.ConstraintLayout>

app:layout_constraintTop_toTopOf="parent" />

ExplicitActivity.xml>

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>





