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Subject: Mobile App Developement.

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"</p>
package="com.example.midterm">
  <application
    android:allowBackup="true"
android:icon="@mipmap/ic_launcher"
android:label="@string/app_name"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportsRtl="true"
    android:theme="@style/Theme.MidTerm">
      android:name=".MainActivity"
android:exported="true">
         <action android:name="android.intent.action.MAIN" />
         <category android:name="android.intent.category.LAUNCHER" />
<activity
      android:name=".ExplicitActivity"
android:exported="true">
    </activity>
  </application>
```

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) {
     = new Intent(Intent.ACTION_DIAL);
i.setData(Uri.parse("tel:"+ "8865902735"));
      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) {
        setContentView(R.layout.activity_explicit);
    }
}
super.onCreate(savedInstanceState);
```

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"
android:layout_height="wrap_content"
android:text="himanshu uniyal"
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"
  <Button
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</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=".ExplicitActivity">
  <TextView
                  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>
```



