**MOBILE APPLICATION DEVELOPMENT INTERNAL LAB EXAMINATION**

**SUBMITTED BY,**

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**QUESTION:** Develop an android program to implement hide and show app

**JAVA CODE:**

**MainActivity.java**

package com.example.intent**;**import androidx.appcompat.app.AppCompatActivity**;**import android.widget.Button**;**import android.os.Bundle**;**import android.view.View**;**import android.content.Intent**;**import android.view.View.OnClickListener**;**public class MainActivity extends AppCompatActivity {  
 Button b1**;** @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState)**;** setContentView(R.layout.*activity\_main*)**;** b1 = (Button)findViewById(R.id.*bo1*)**;** b1.setOnClickListener(new OnClickListener() {  
 public void onClick(View view)  
 {  
  
  
 Intent i = new Intent(MainActivity.this**,** Main2Activity.class)**;** i.getAction()**;** startActivity(i)**;** }  
 })**;** }  
}

**Main2Activity.java**

package com.example.intent**;**import androidx.appcompat.app.AppCompatActivity**;**import android.os.Bundle**;**import android.view.View**;**import android.widget.Button**;**import android.content.Intent**;**import android.widget.Toast**;**public class Main2Activity extends AppCompatActivity {  
 Button b2**;** @Override  
 protected void onCreate(Bundle bundle) {  
 super.onCreate(bundle)**;** setContentView(R.layout.*activity\_main2*)**;** Toast.*makeText*(getApplicationContext()**,**"APP IS SHOWN.."**,** Toast.*LENGTH\_LONG*).show()**;** b2 = (Button)findViewById(R.id.*b2*)**;** b2.setOnClickListener(new View.OnClickListener() {  
 public void onClick(View view)  
 {  
  
  
 Intent i2 = new Intent(Main2Activity.this**,** MainActivity.class)**;** i2.getAction()**;** startActivity(i2)**;** Toast.*makeText*(getApplicationContext()**,**"APP IS HIDED.."**,** Toast.*LENGTH\_LONG*).show()**;** }  
 })**;** }  
}

**Activity\_main.xml**

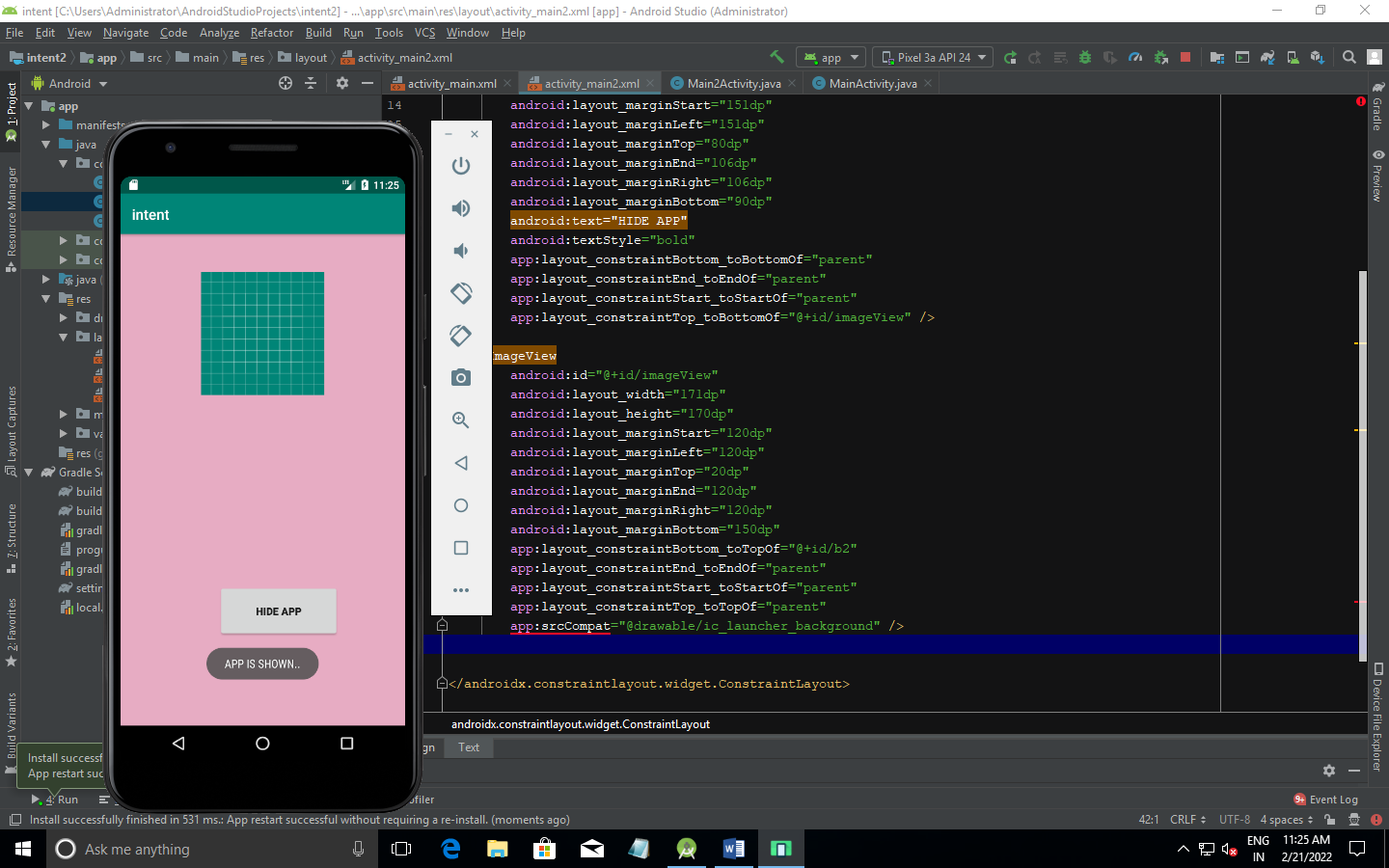
<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:background="#E69FBB"  
 tools:context=".MainActivity">  
  
 <Button  
 android:id="@+id/bo1"  
 android:layout\_width="175dp"  
 android:layout\_height="76dp"  
 android:layout\_marginStart="134dp"  
 android:layout\_marginLeft="134dp"  
 android:layout\_marginTop="327dp"  
 android:layout\_marginEnd="102dp"  
 android:layout\_marginRight="102dp"  
 android:layout\_marginBottom="328dp"  
 android:text=" SHOW APP"  
 android:textSize="18sp"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

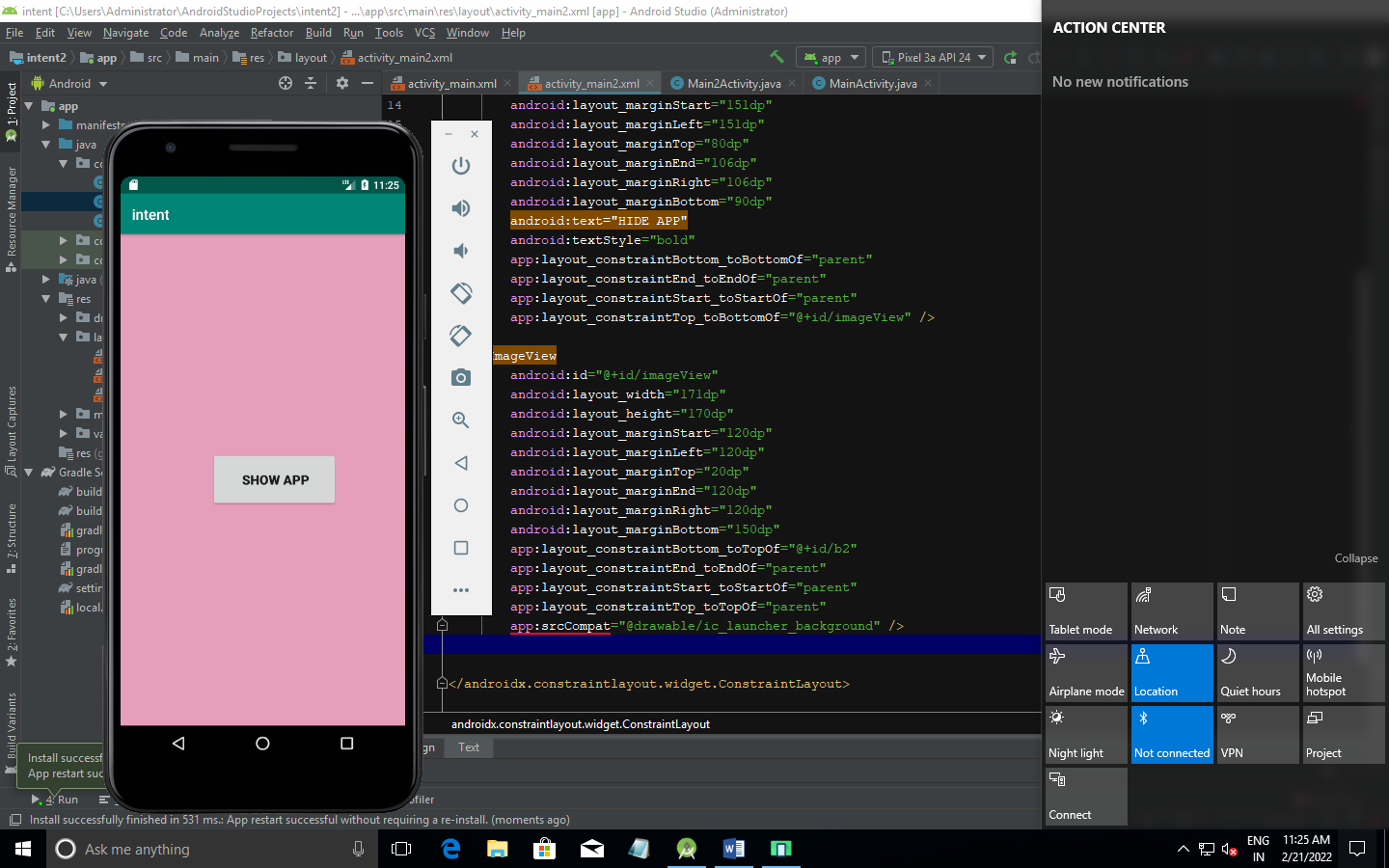
**Activity\_main2.xml**

<?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"  
 android:background="#E7ACC3"  
 tools:context=".Main2Activity">  
  
 <Button  
 android:id="@+id/b2"  
 android:layout\_width="167dp"  
 android:layout\_height="73dp"  
 android:layout\_marginStart="151dp"  
 android:layout\_marginLeft="151dp"  
 android:layout\_marginTop="80dp"  
 android:layout\_marginEnd="106dp"  
 android:layout\_marginRight="106dp"  
 android:layout\_marginBottom="90dp"  
 android:text="HIDE APP"  
 android:textStyle="bold"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@+id/imageView" />  
  
 <ImageView  
 android:id="@+id/imageView"  
 android:layout\_width="171dp"  
 android:layout\_height="170dp"  
 android:layout\_marginStart="120dp"  
 android:layout\_marginLeft="120dp"  
 android:layout\_marginTop="20dp"  
 android:layout\_marginEnd="120dp"  
 android:layout\_marginRight="120dp"  
 android:layout\_marginBottom="150dp"  
 app:layout\_constraintBottom\_toTopOf="@+id/b2"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:srcCompat="@drawable/ic\_launcher\_background" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**RESULT:** Program obtained successfully and obtained the output

**OUTPUT**

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