Android Internship Report

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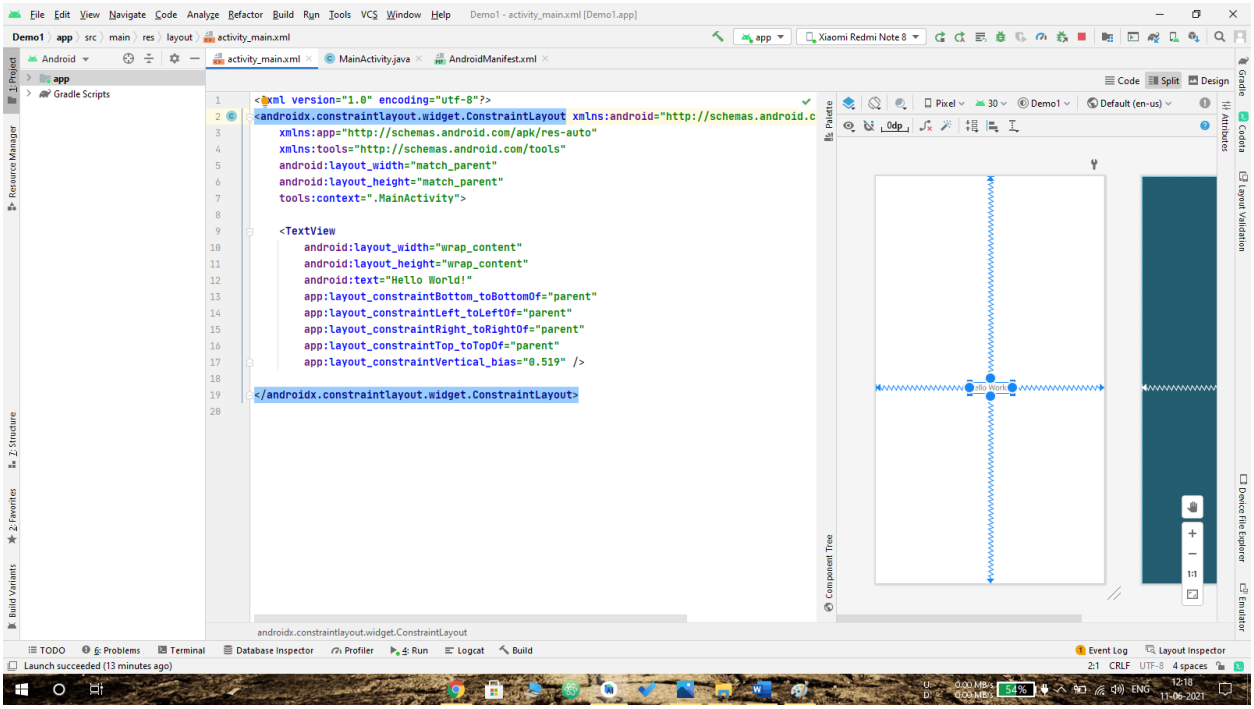
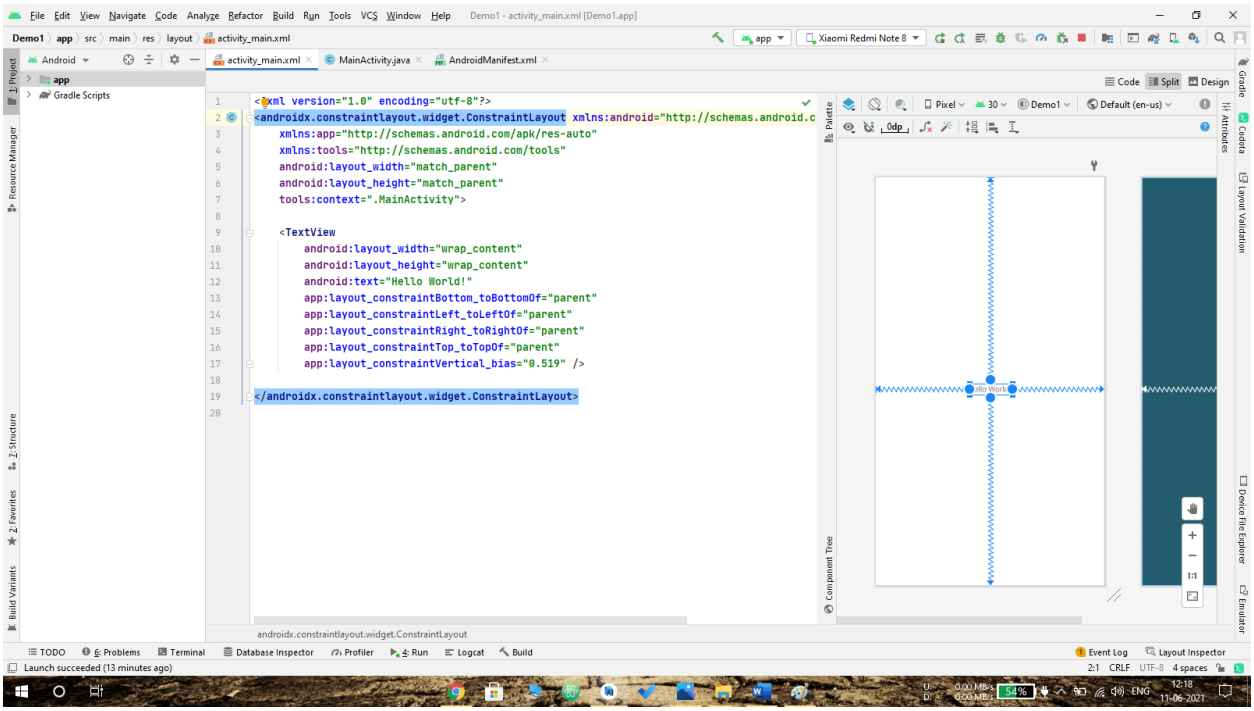
1- Demo1

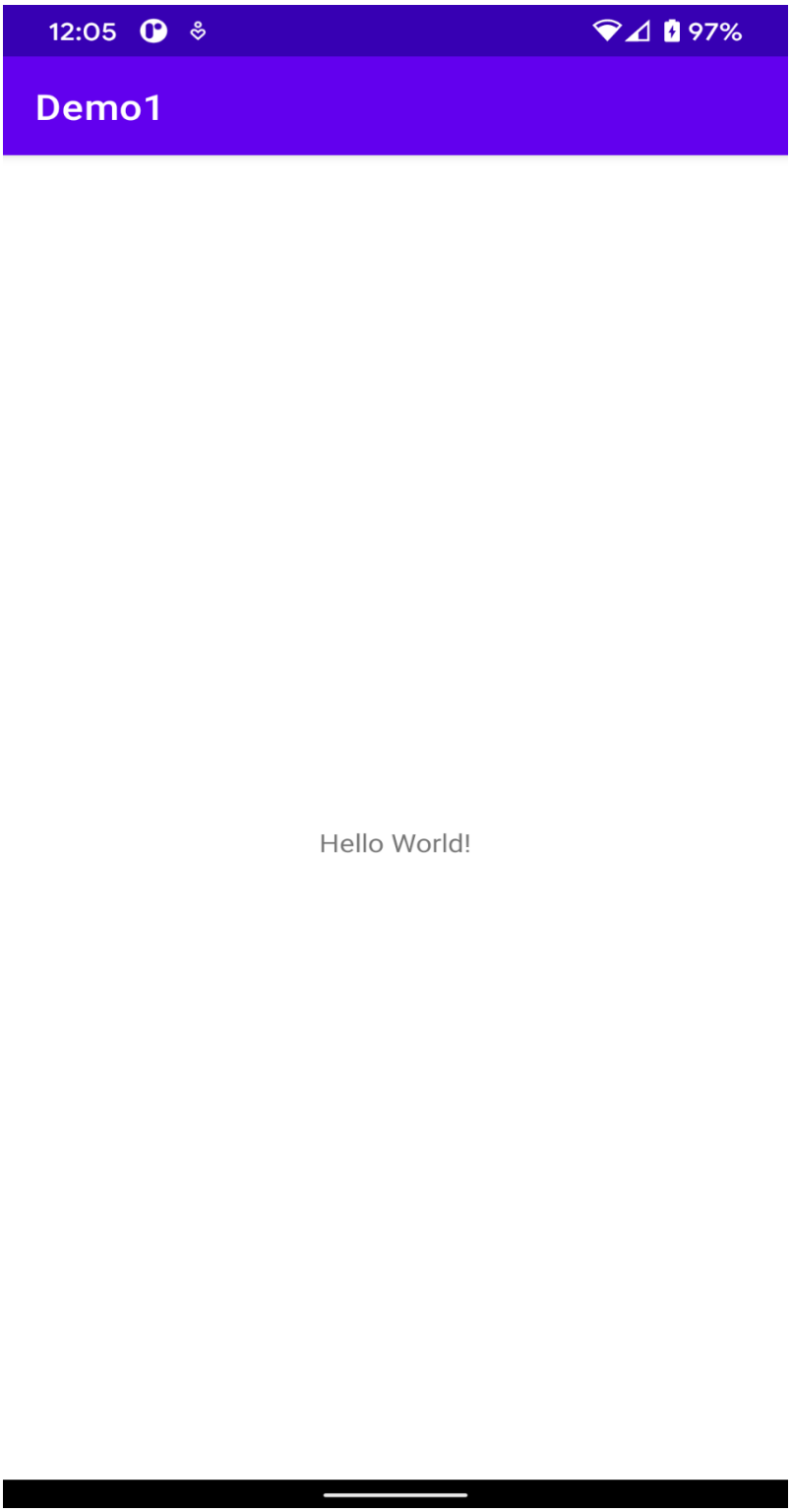
Main Activity:



Activity_main.xml:



Output:



2 – NormalCalc:

In this two Inputs required for the operation. In this we can do 4 operation Summation, Subtraction, Division, Multiplication.

In this we get the data from user input like:

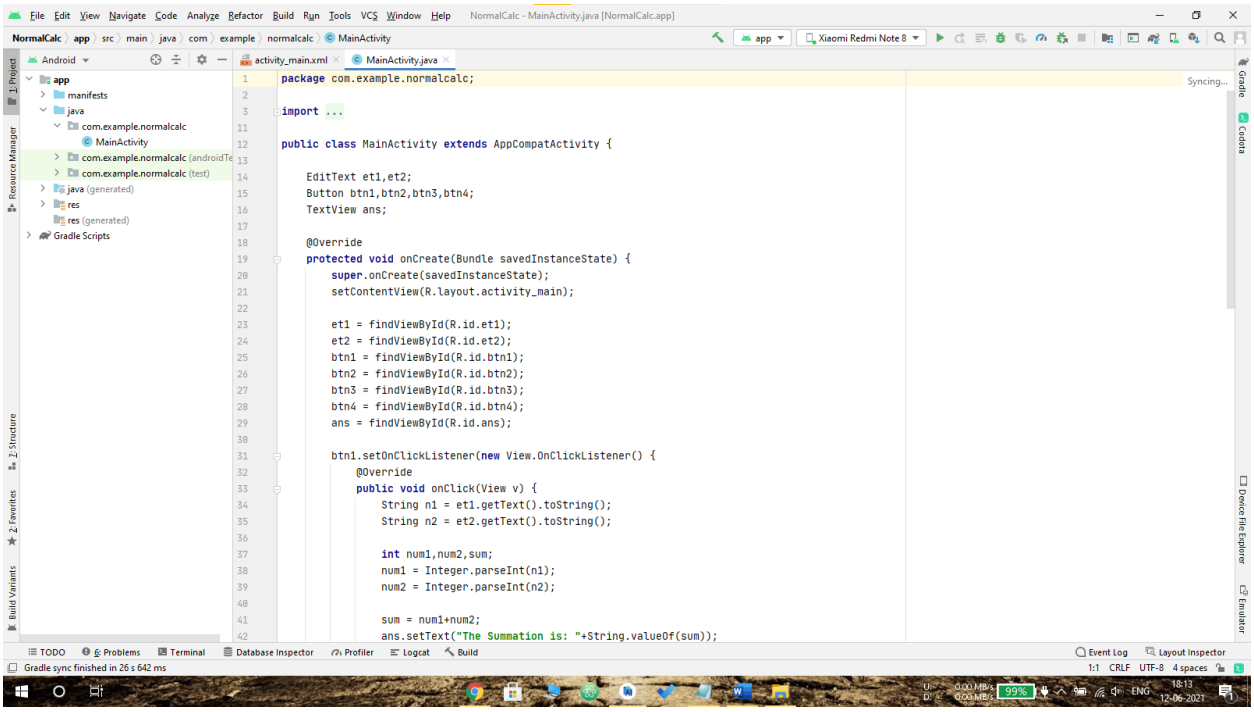
Number1 = editText.getText().toString();

And after operation performed, we have to set the data to the TextView like:

textView.setText("Text");

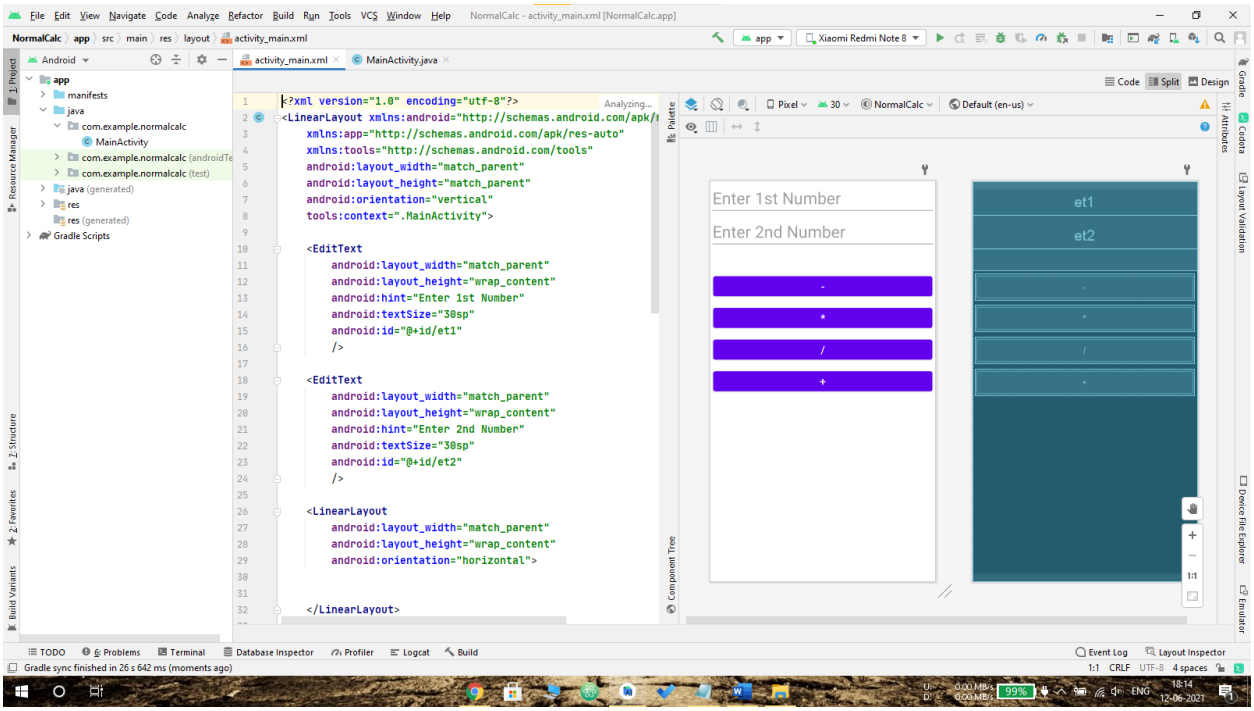
Code:

Main Activity:

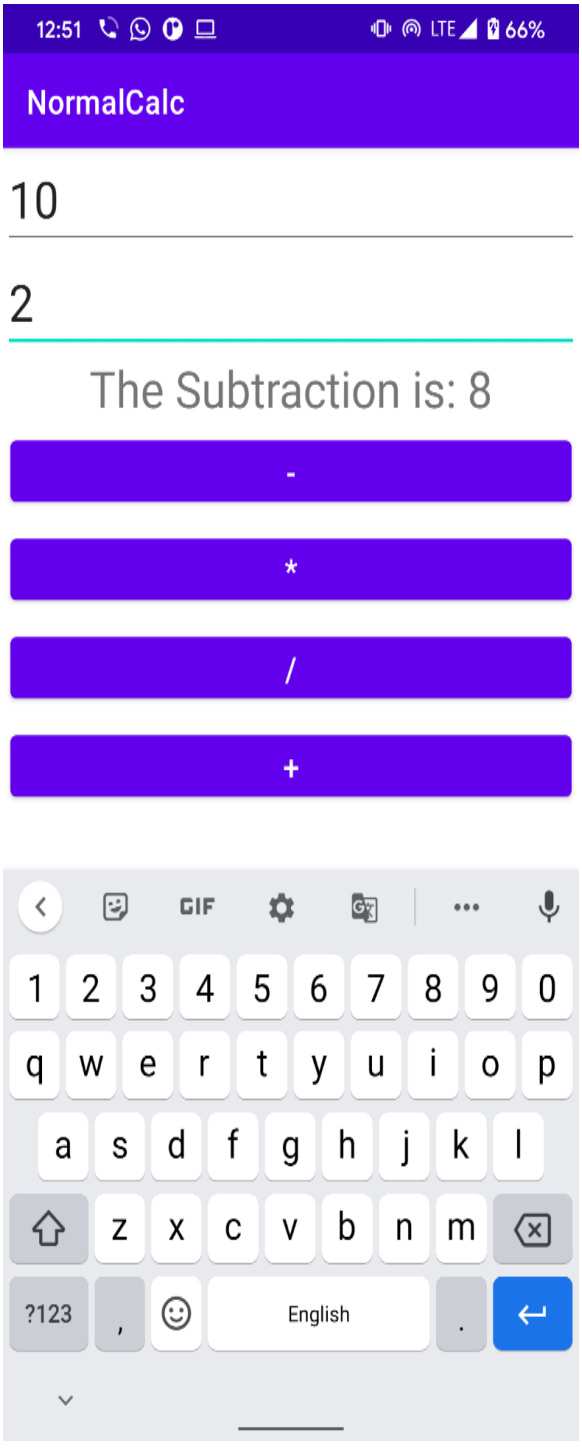


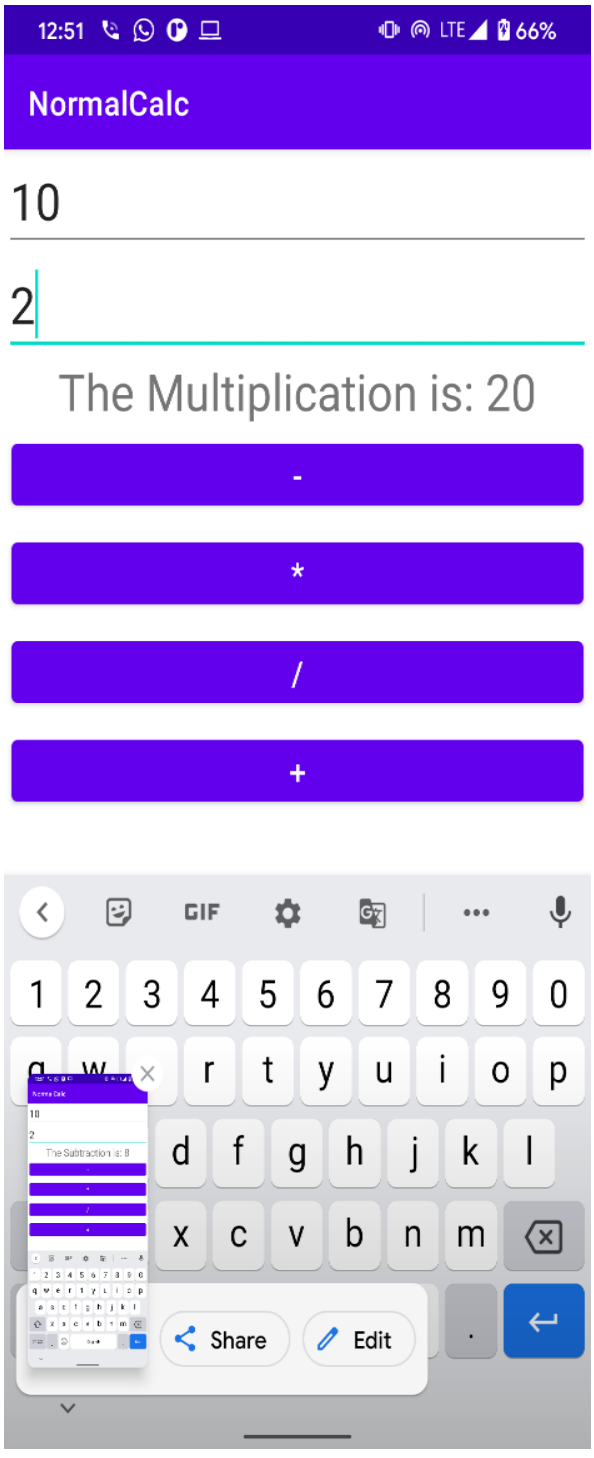
```
package com.example.normalcalc;

import ...

public class MainActivity extends AppCompatActivity {

    EditText et1,et2;
    Button btn1,btn2,btn3,btn4;
    TextView ans;

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

        et1 = findViewById(R.id.et1);
        et2 = findViewById(R.id.et2);
        btn1 = findViewById(R.id.btn1);
        btn2 = findViewById(R.id.btn2);
        btn3 = findViewById(R.id.btn3);
        btn4 = findViewById(R.id.btn4);
        ans = findViewById(R.id.ans);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String n1 = et1.getText().toString();
                String n2 = et2.getText().toString();

                int num1,num2,sum;
                num1 = Integer.parseInt(n1);
                num2 = Integer.parseInt(n2);

                sum = num1+num2;
                ans.setText("The Summation is: "+String.valueOf(sum));
```

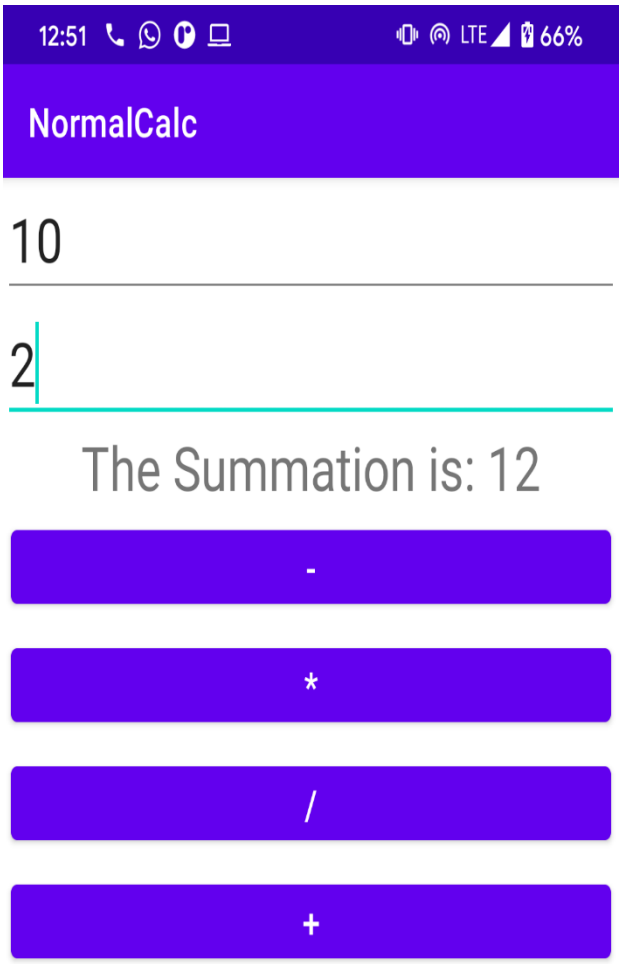
Activity_main.xml:

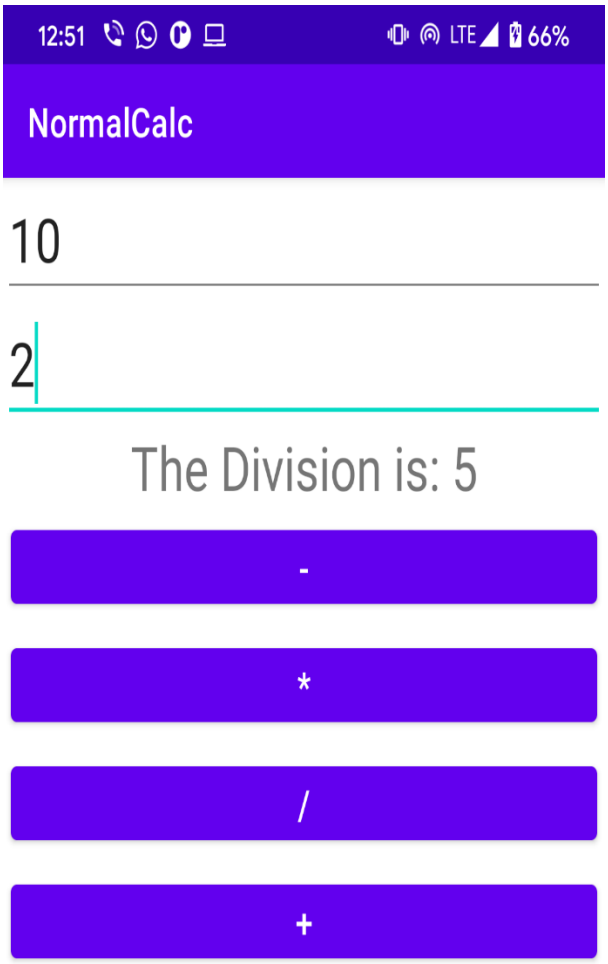


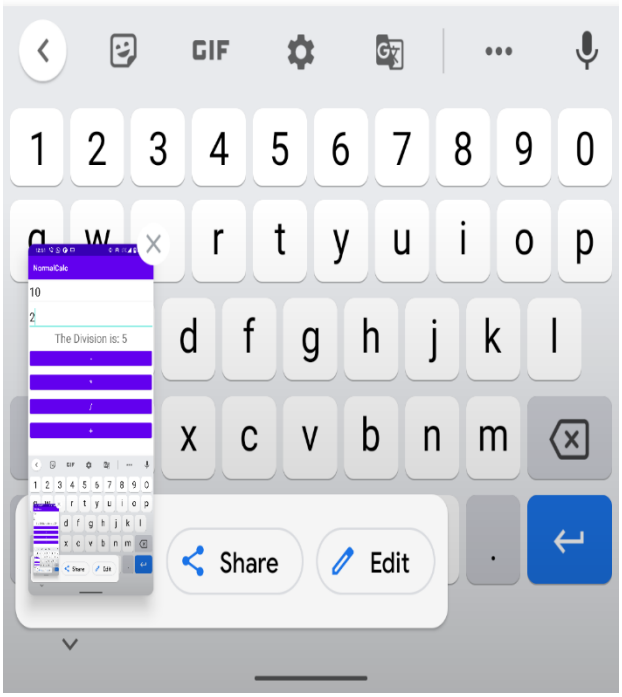
Output:

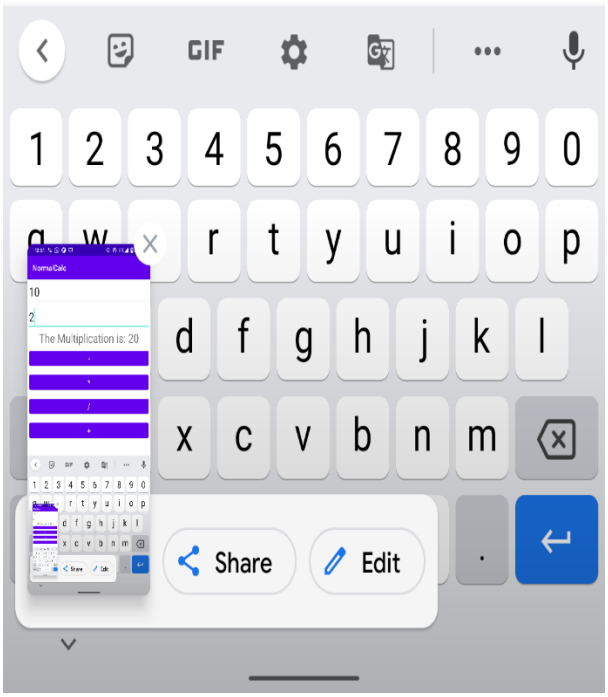

12:51
LTE 66%
NormalCalc
10
2
The Subtraction is: 8
-
*
/
+
GIF
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123
English


12:51
LTE 66%
NormalCalc
10
2
The Multiplication is: 20
-
*
/
+
GIF
1 2 3 4 5 6 7 8 9 0
d f g h j k l
x c v b n m
Share
Edit


12:51
LTE 66%
NormalCalc
10
2
The Summation is: 12
-
*
/
+


12:51
LTE 66%
NormalCalc
10
2
The Division is: 5
-
*
/
+

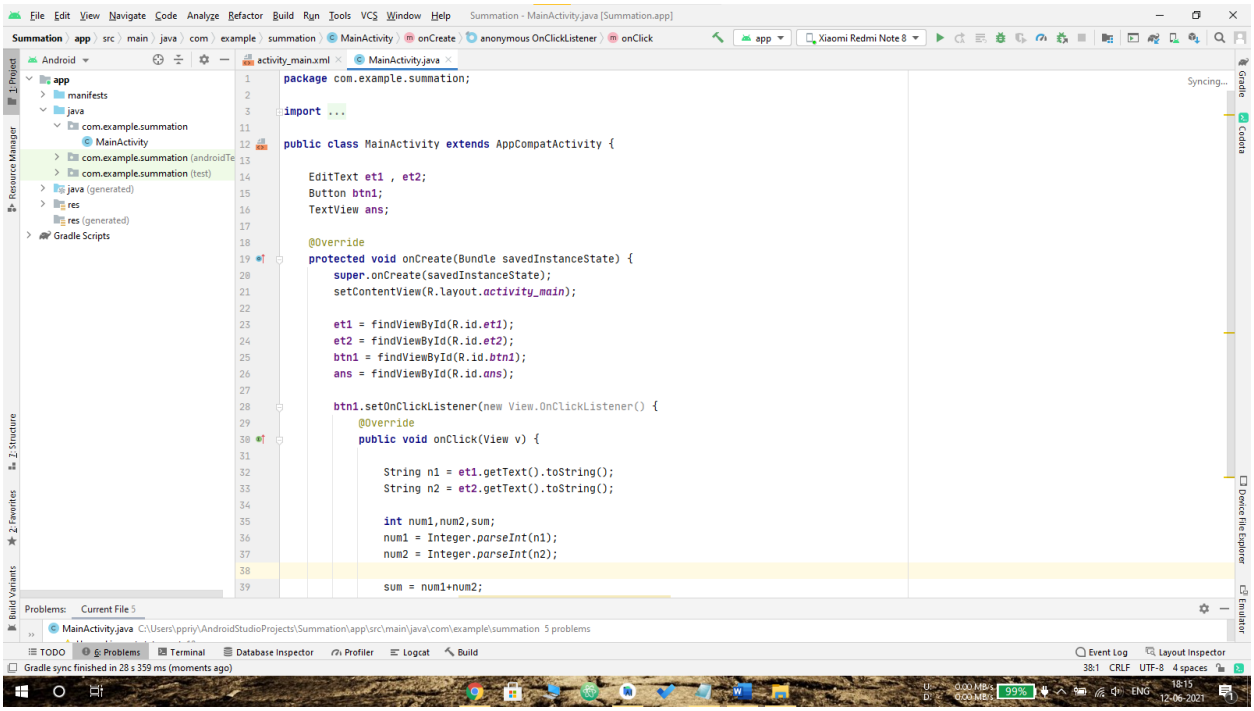

GIF
1 2 3 4 5 6 7 8 9 0
r t y u i o p
d f g h j k l
x c v b n m
Share
Edit


GIF
1 2 3 4 5 6 7 8 9 0
r t y u i o p
d f g h j k l
x c v b n m
Share
Edit

2.1 – Summation:

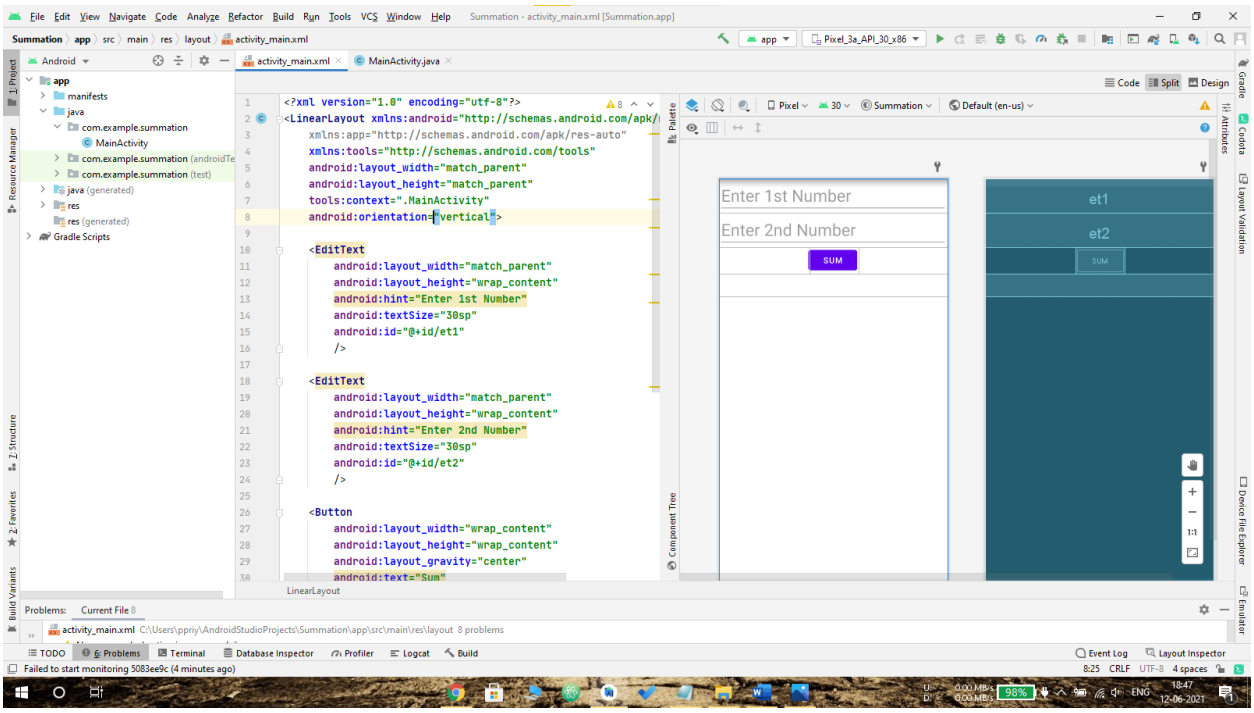
Code:

Main Activity:

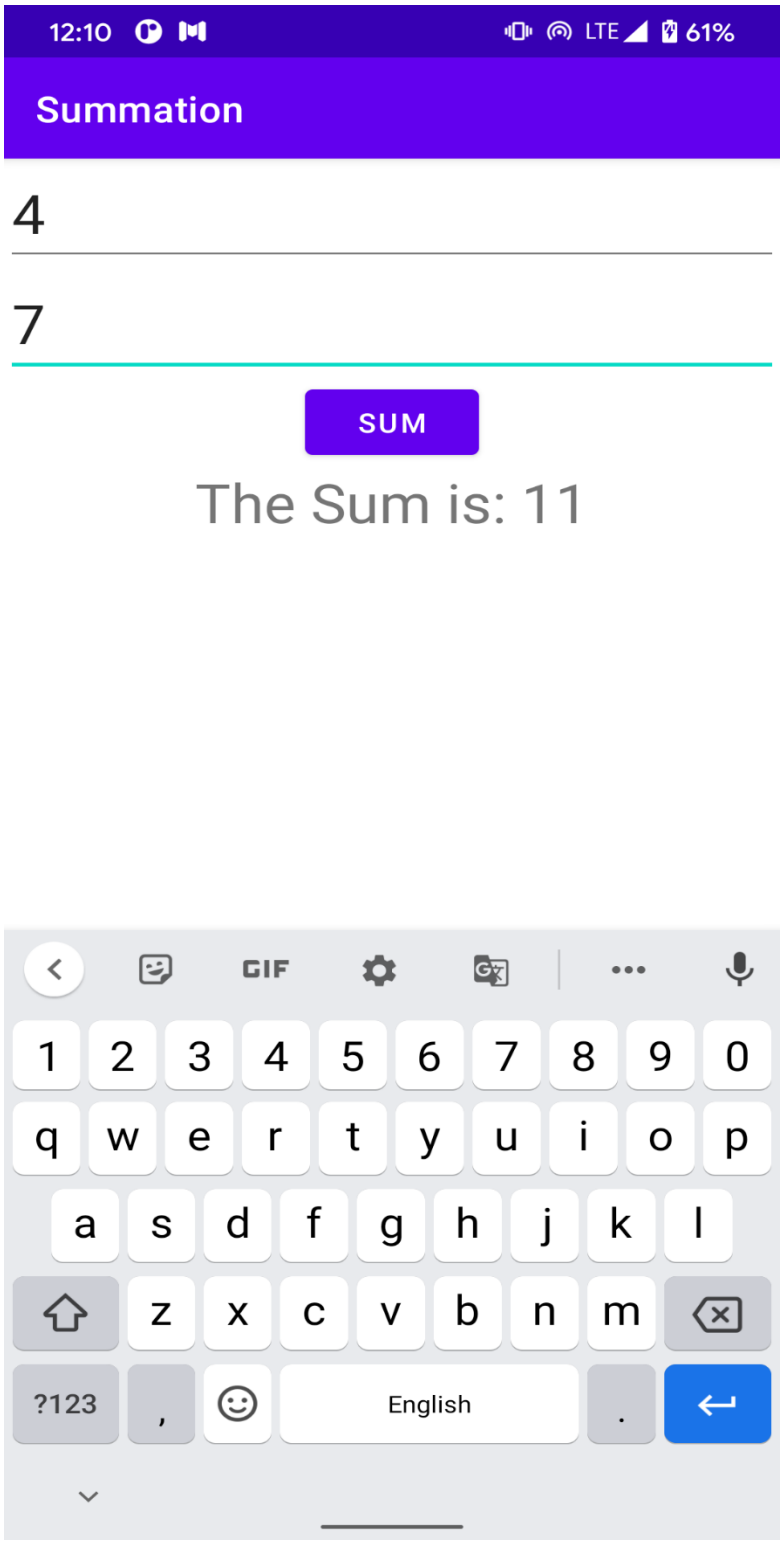


```
package com.example.summation;

import ...

public class MainActivity extends AppCompatActivity {

    EditText et1 , et2;
    Button btn1;
    TextView ans;

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

        et1 = findViewById(R.id.et1);
        et2 = findViewById(R.id.et2);
        btn1 = findViewById(R.id.btn1);
        ans = findViewById(R.id.ans);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {

                String n1 = et1.getText().toString();
                String n2 = et2.getText().toString();

                int num1,num2,sum;
                num1 = Integer.parseInt(n1);
                num2 = Integer.parseInt(n2);

                sum = num1+num2;
```

Activity_main.xml:



Output:


12:10
LTE
61%
Summation
4
7
SUM
The Sum is: 11
GIF
1 2 3 4 5 6 7 8 9 0
q w e r t y u i o p
a s d f g h j k l
z x c v b n m
?123
,
English
.

3 - Intent:

Android app may contain one or more screens. Intent basically used to provide navigation from one activity to other activity. Intents allow us to interact with components from the same applications as well other third-party applications

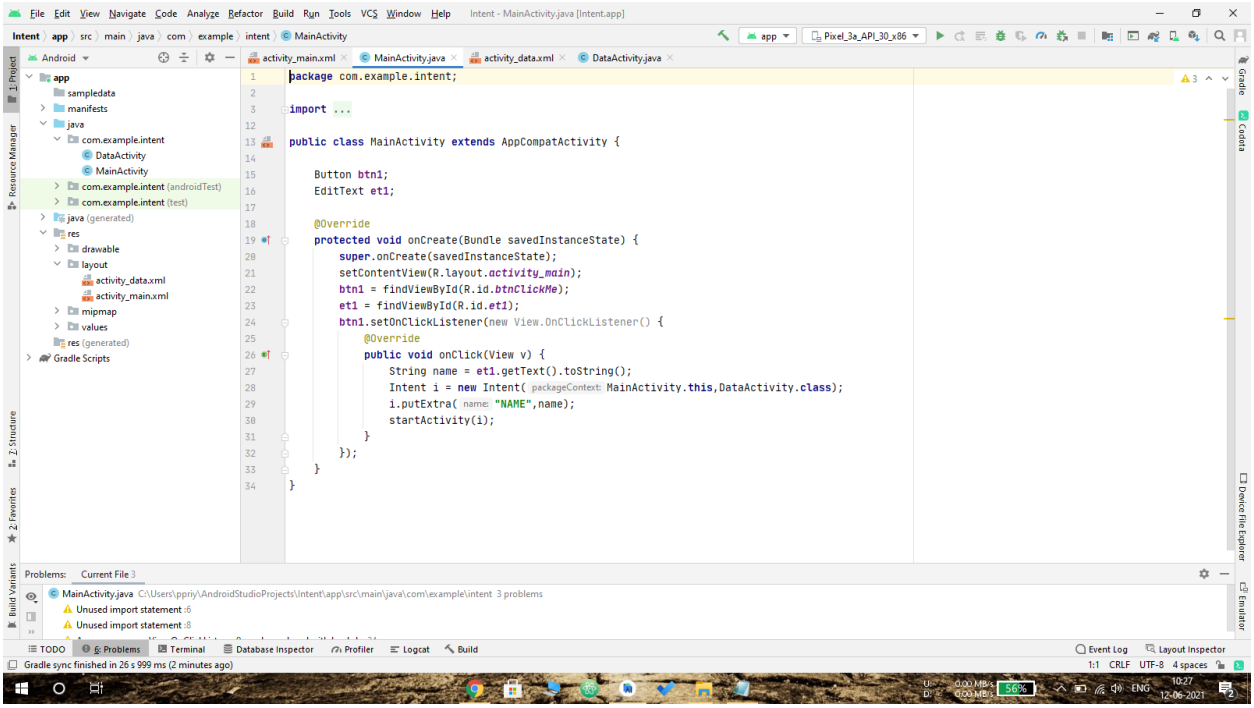
We can use intent like this:

Intent intent = new Intent(context,navigationActivity.class);

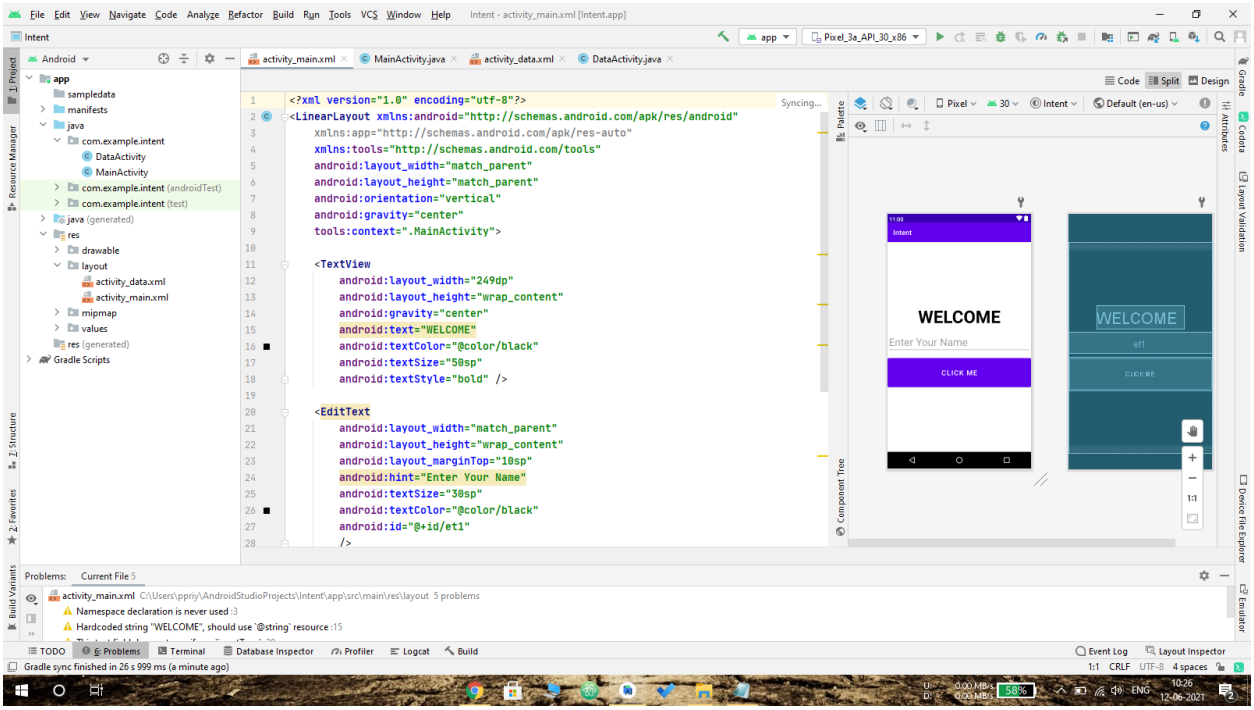
startActivity(intent);

Code:

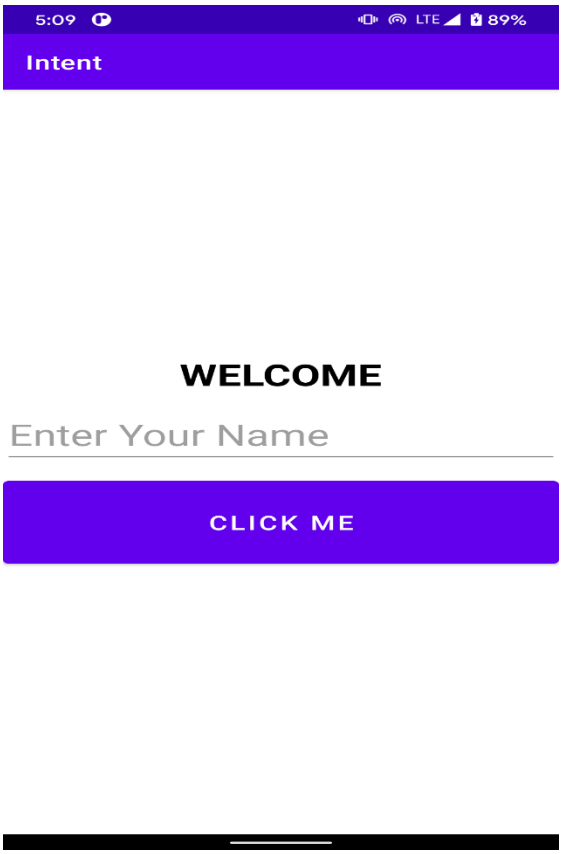
Main Activity:



Activity_main.xml:



Output:

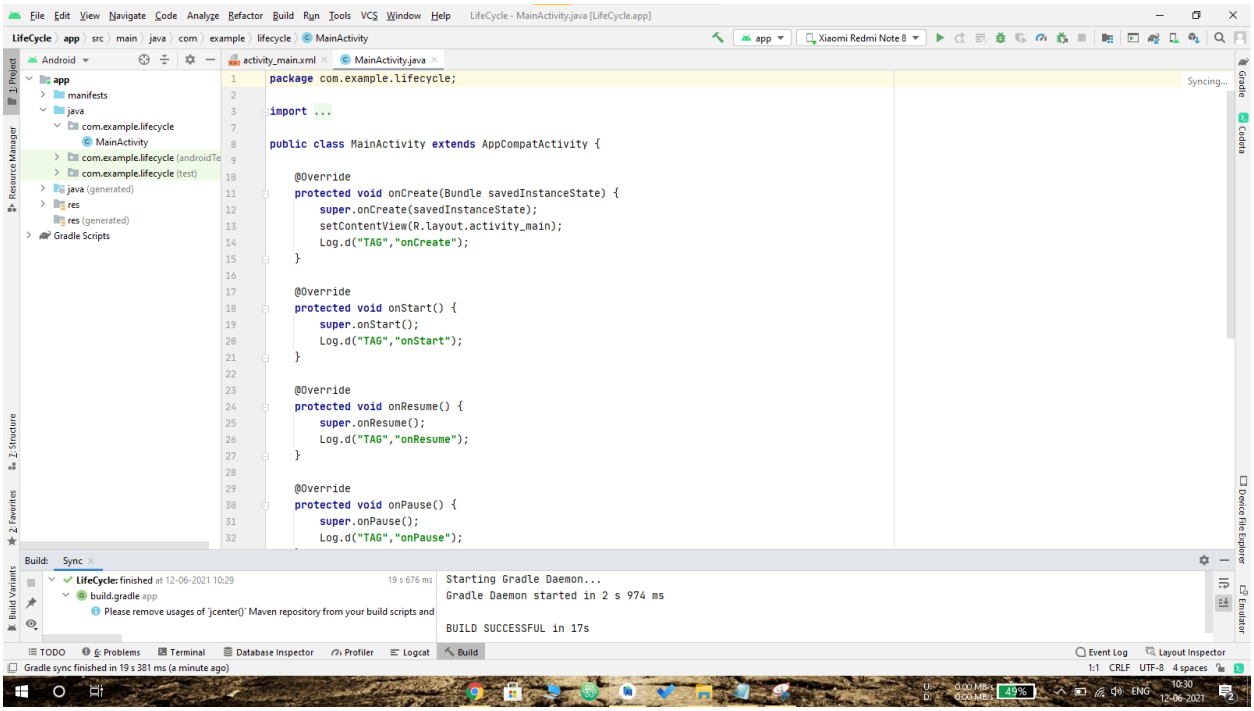



5:07
LTE 89%
Intent
WELCOME
Priyesh Chikhaliya
CLICK ME
5:07
LTE 89%
Intent
WELCOME PRIYESH CHIKHALIYA

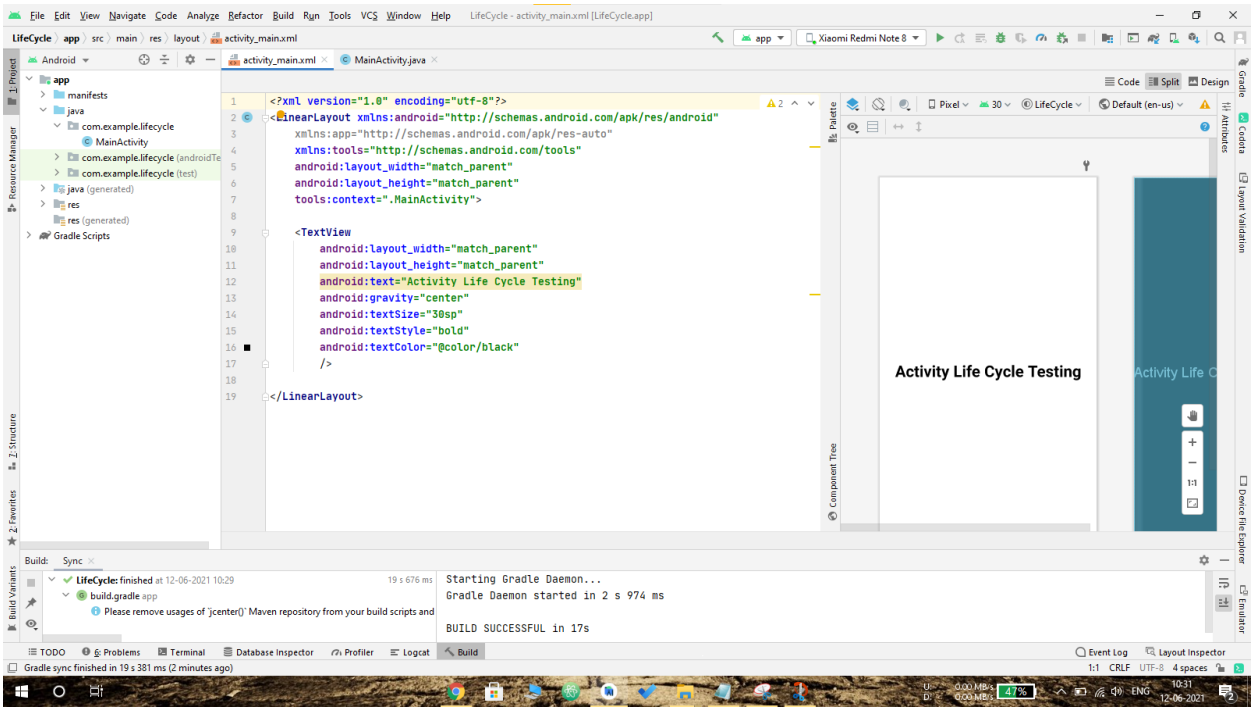
3.1 – Activity life cycle:

There is a sequence of callback methods that start up an activity and a sequence of callback methods that tear down an activity as shown in the below Activity life cycle.

Main activity:

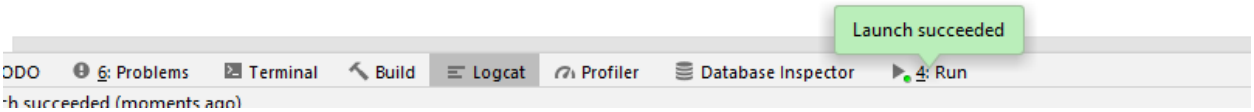


Activity_main.xml:

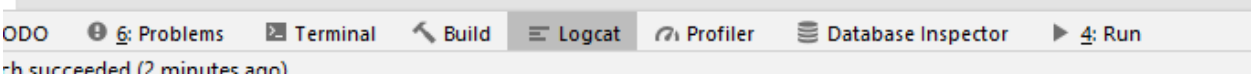


Logcat:

```
2021-06-08 12:23:12.186 5861-5861/com.example.lifecycle D/TAG: onCreate
2021-06-08 12:23:12.192 5861-5861/com.example.lifecycle D/TAG: onStart
2021-06-08 12:23:12.196 5861-5861/com.example.lifecycle D/TAG: onResume
```




```
2021-06-08 12:24:53.577 23458-23458/com.example.lifecycle D/TAG: onCreate
2021-06-08 12:24:53.583 23458-23458/com.example.lifecycle D/TAG: onStart
2021-06-08 12:24:53.586 23458-23458/com.example.lifecycle D/TAG: onResume
2021-06-08 12:25:01.064 23458-23458/com.example.lifecycle D/TAG: onPause
2021-06-08 12:25:01.125 23458-23458/com.example.lifecycle D/TAG: onStop
```

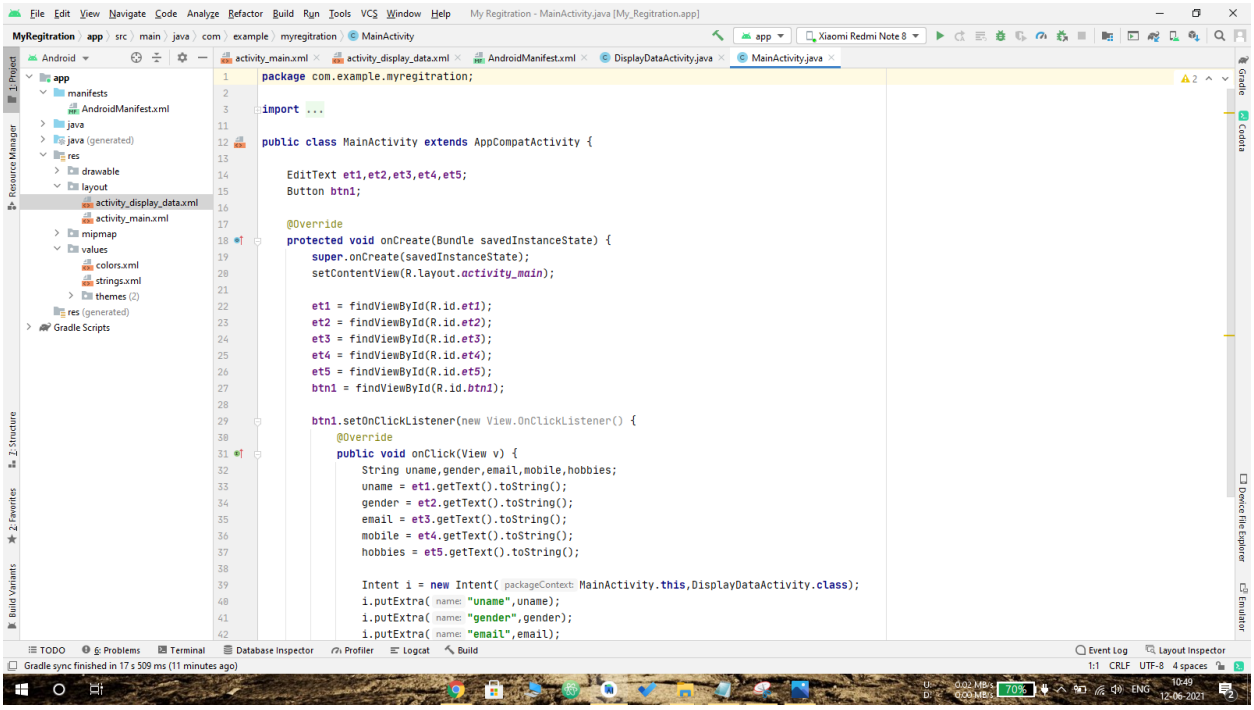


4 - MyRegistration

In this app it takes inputs like registration details and that details send to other activity called data activity and set that data to text view using **setText()** Method.

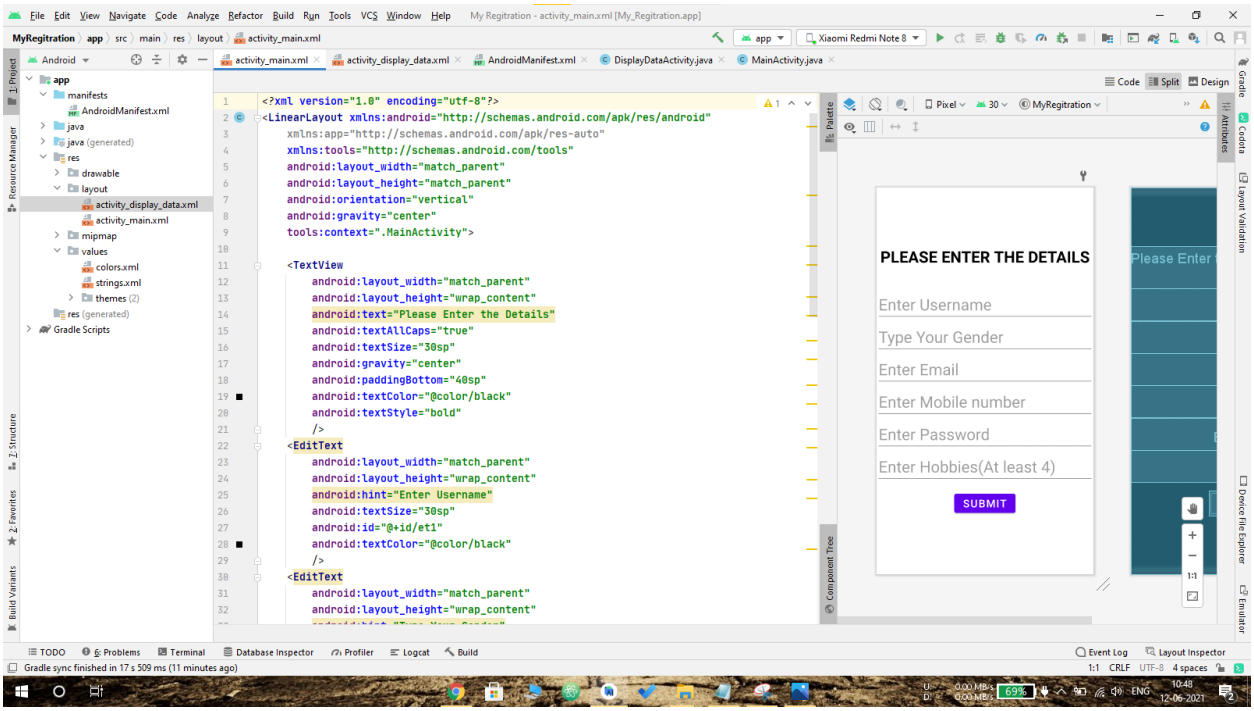
Code:

Main Activity:

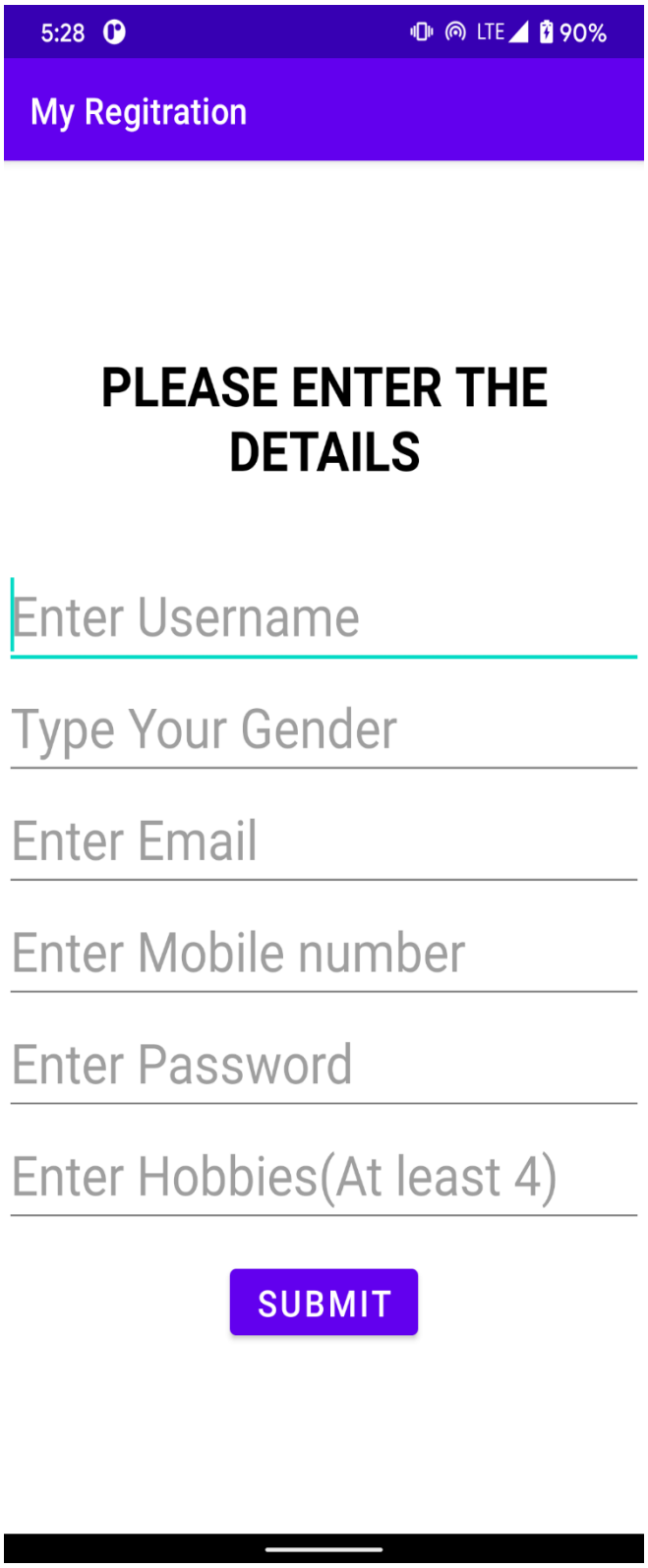


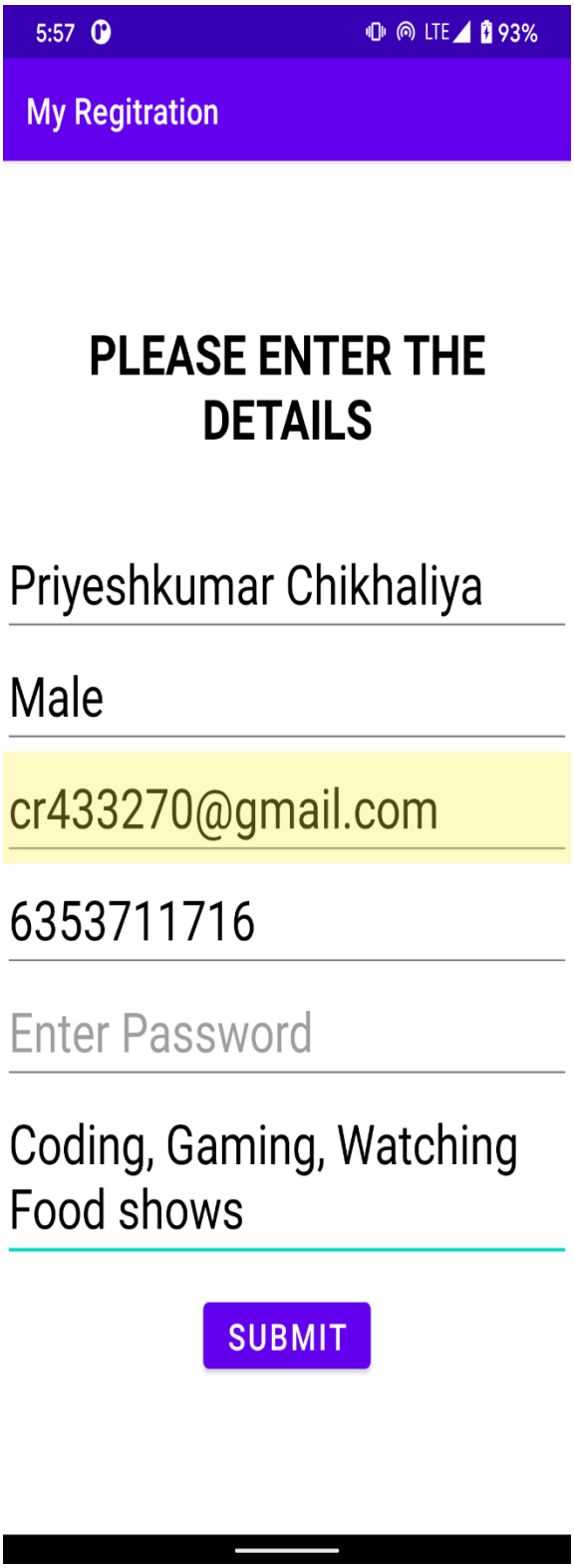
```
package com.example.myregitration;

import ...

public class MainActivity extends AppCompatActivity {

    EditText et1,et2,et3,et4,et5;
    Button btn1;

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

        et1 = findViewById(R.id.et1);
        et2 = findViewById(R.id.et2);
        et3 = findViewById(R.id.et3);
        et4 = findViewById(R.id.et4);
        et5 = findViewById(R.id.et5);
        btn1 = findViewById(R.id.btn1);

        btn1.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String uname,gender,email,mobile,hobbies;
                uname = et1.getText().toString();
                gender = et2.getText().toString();
                email = et3.getText().toString();
                mobile = et4.getText().toString();
                hobbies = et5.getText().toString();

                Intent i = new Intent( packageContext: MainActivity.this,DisplayDataActivity.class);
                i.putExtra( name: "uname",uname);
                i.putExtra( name: "gender",gender);
                i.putExtra( name: "email",email);
```

Activity_main.xml:



Output:


5:28
LTE
90%
My Regitration
PLEASE ENTER THE DETAILS
Enter Username
Type Your Gender
Enter Email
Enter Mobile number
Enter Password
Enter Hobbies(At least 4)
SUBMIT


5:57
LTE 93%
My Regitration
PLEASE ENTER THE DETAILS
Priyeshkumar Chikhaliya
Male
cr433270@gmail.com
6353711716
Enter Password
Coding, Gaming, Watching Food shows
SUBMIT

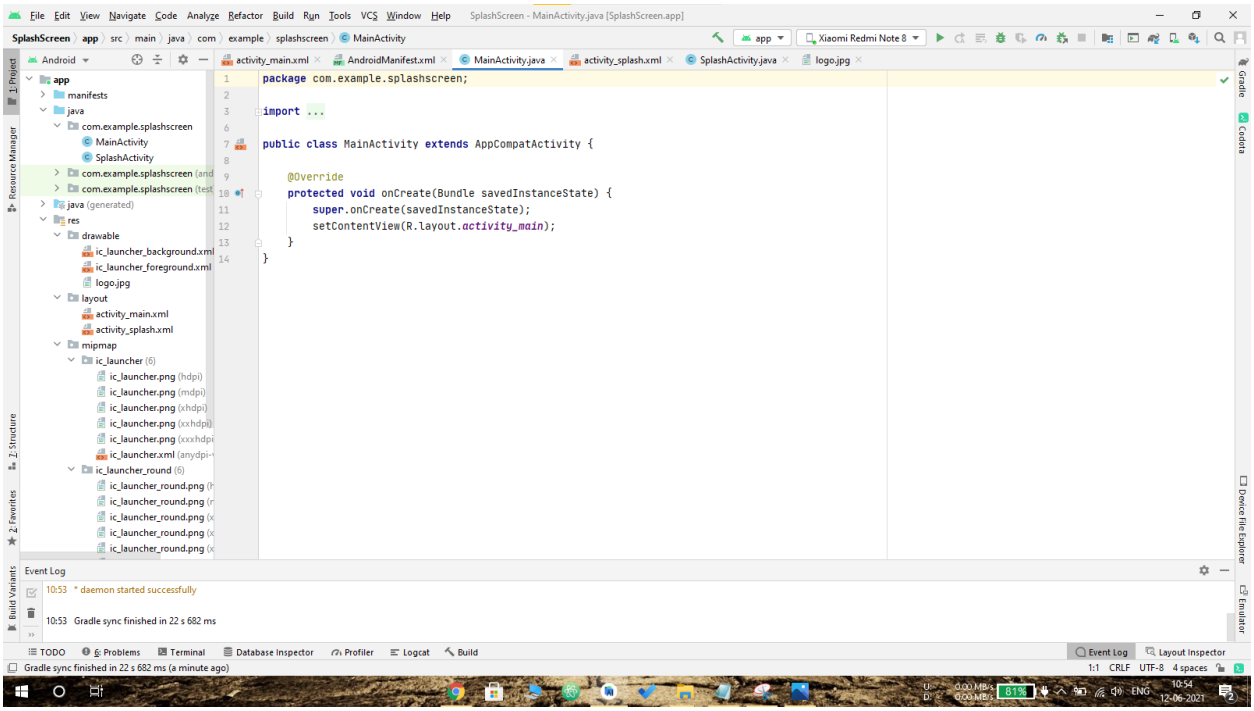

5:57
LTE 93%
My Regitration
Welcome Priyeshkumar Chikhaliya
Gender:Male
Email:cr433270@gmail.com
Mobile:6353711716
Hobbies:Coding, Gaming, Watching Food shows

5 -Splash Screen:

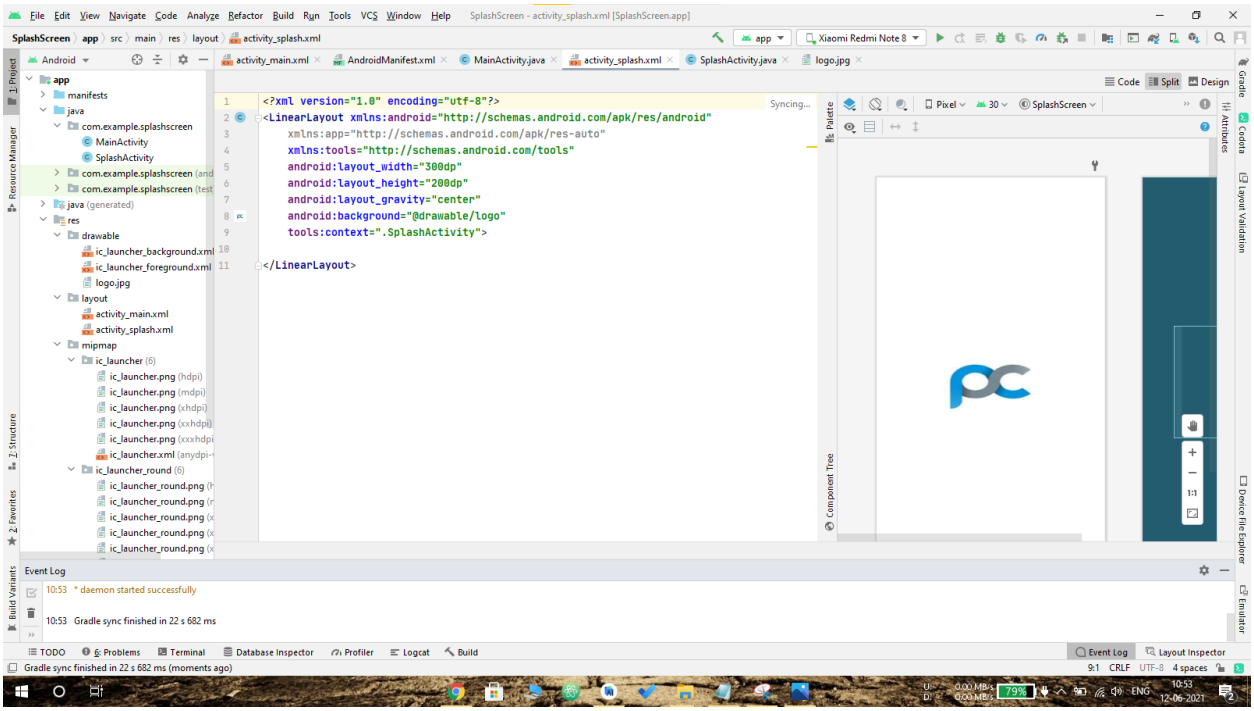
Android splash screen are normally used to show user some kind of progress before the app's main screen. Some people use splash screen just to show their app / company logo for a couple of second (Mostly 3 to 4 seconds).

Code:

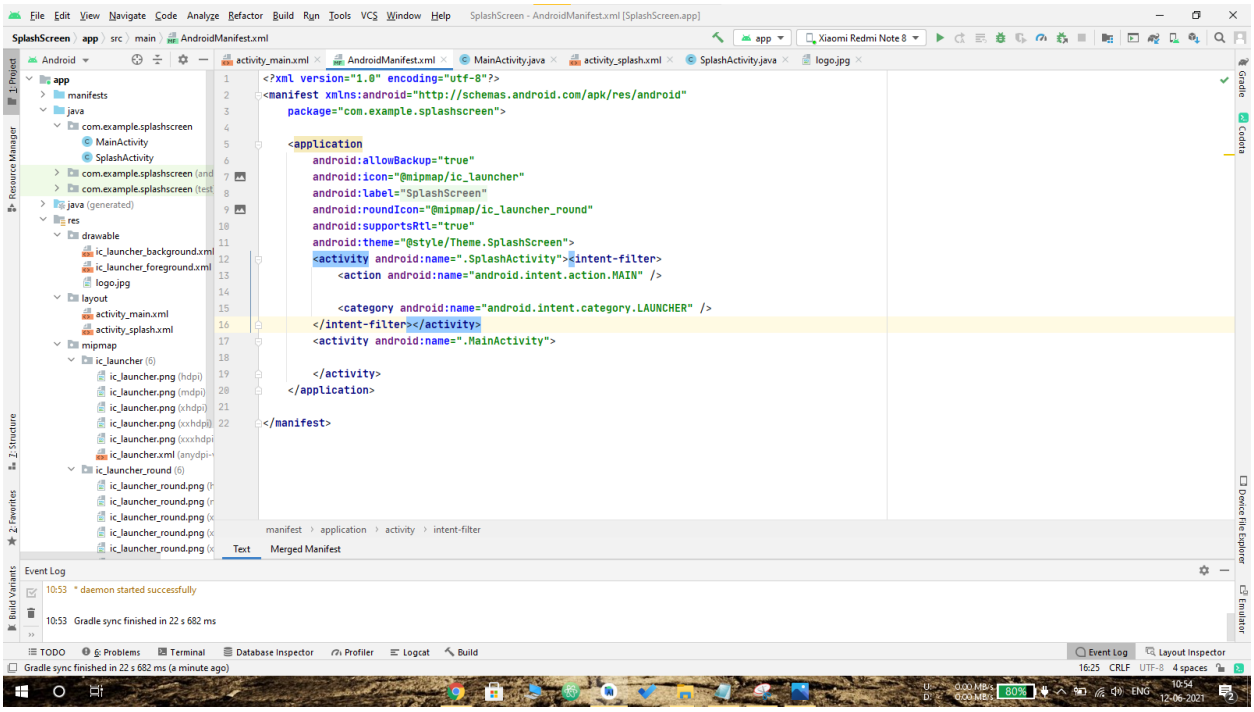
Main activity:



Activity_main.xml:



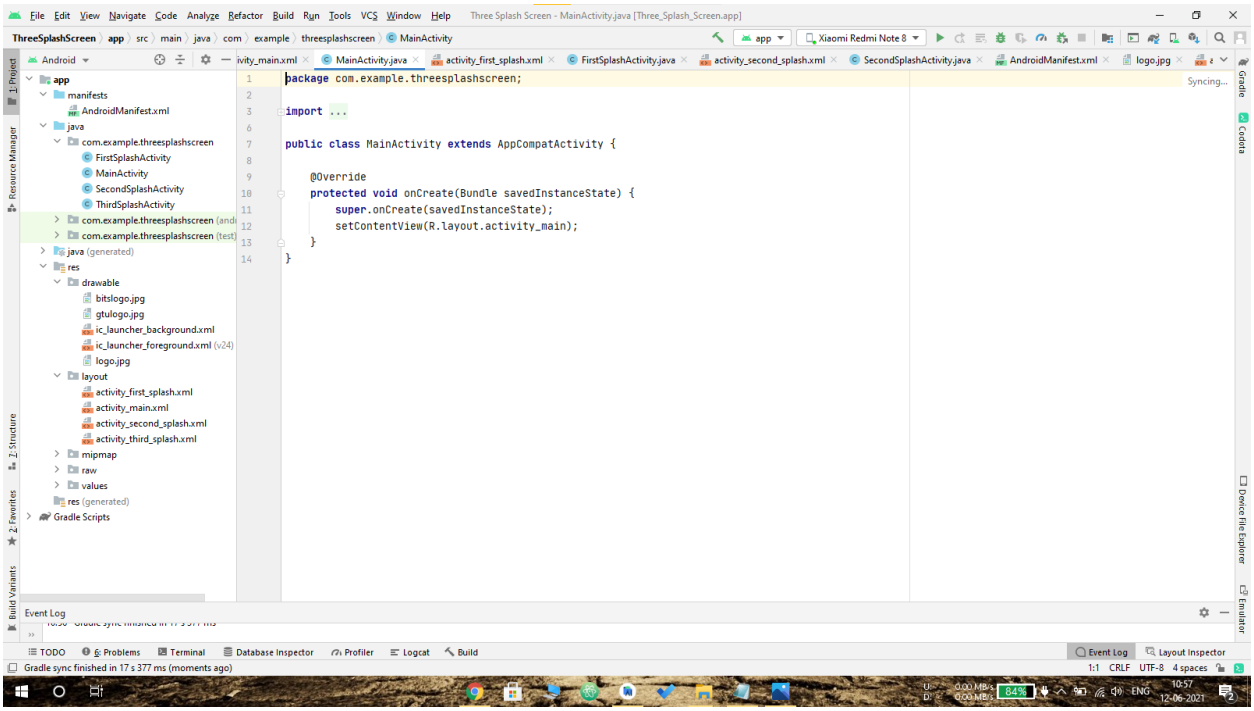
AndroidManifest.xml:



Output:

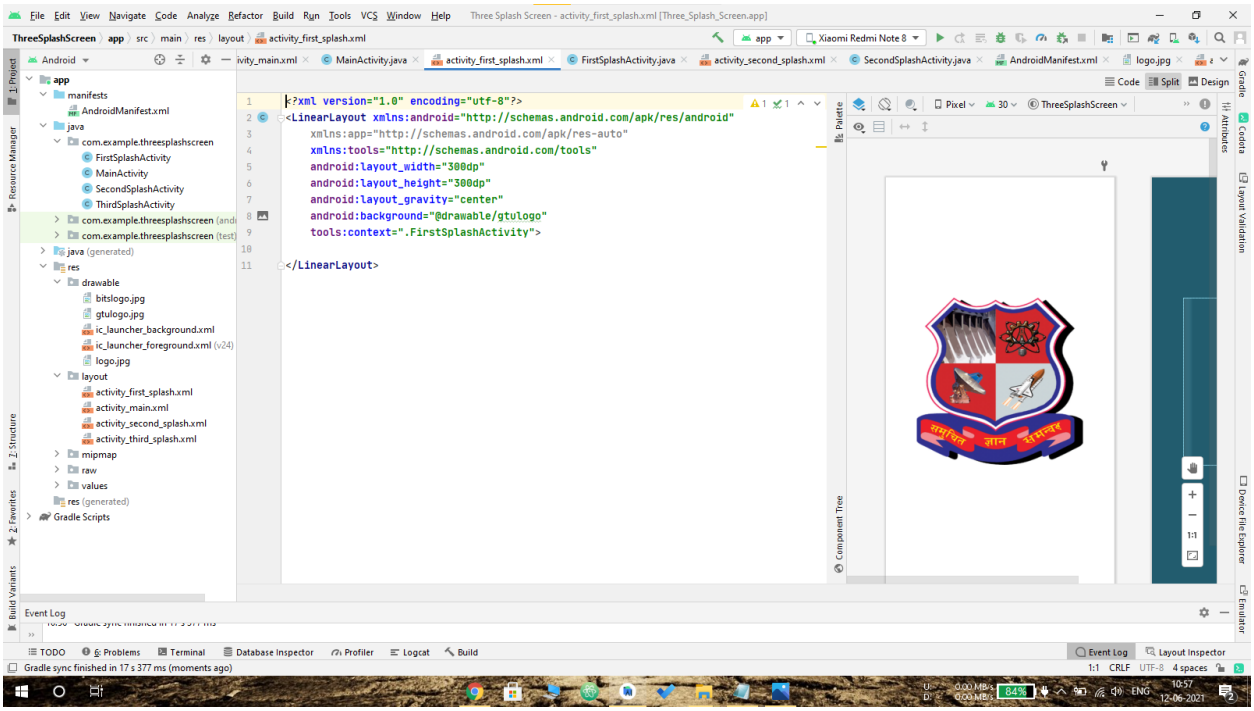
5.1 -Three Splash Screen:

Main activity:



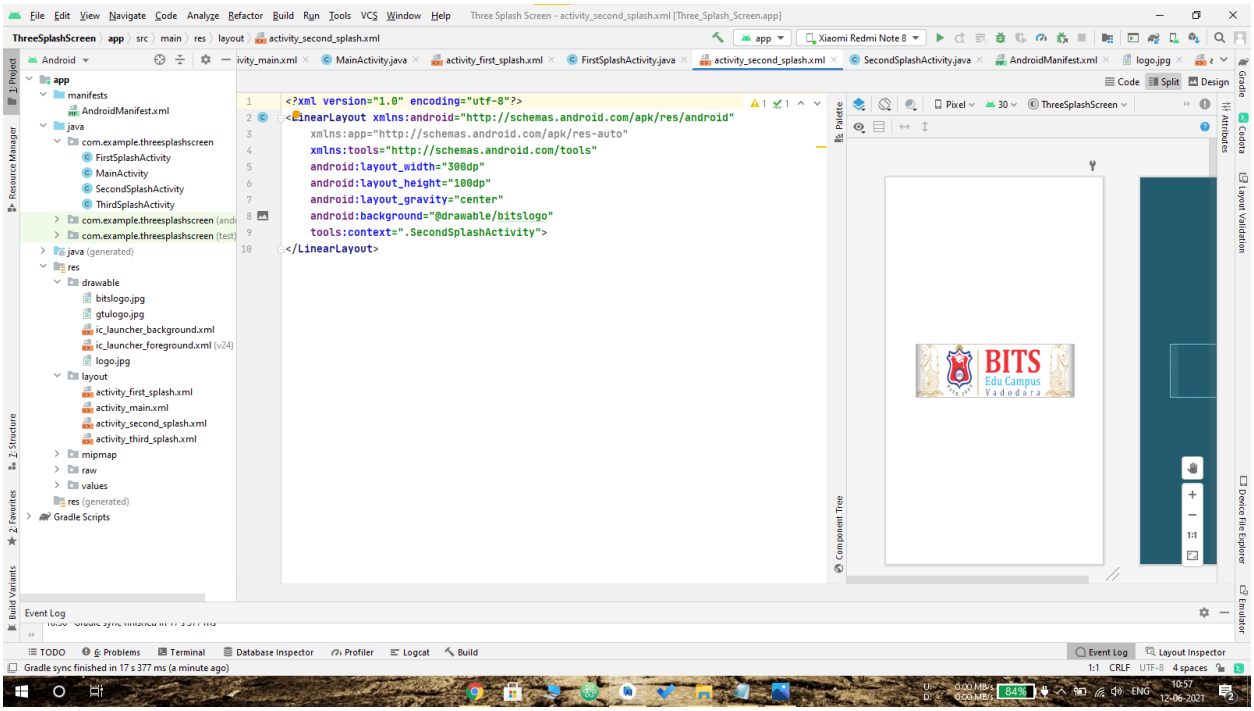
```
package com.example.threesplashscreen;

import ...

public class MainActivity extends AppCompatActivity {

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

Activity_first_splash.xml:

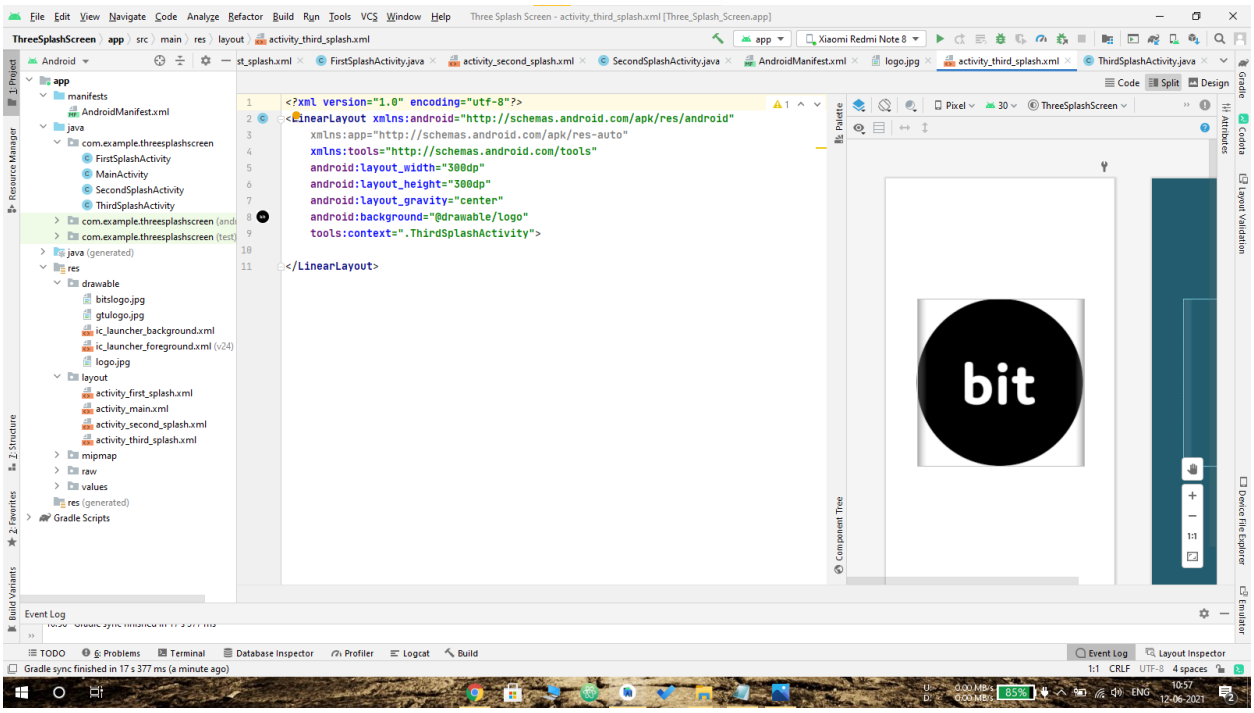


```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="300dp"
    android:layout_height="300dp"
    android:layout_gravity="center"
    android:background="@drawable/gtulogo"
    tools:context=".FirstSplashActivity">

</LinearLayout>
```

Activity_second_splash.xml:



Activity_third_splash.xml:



Output:


10:34
LTE 83%
10:34
LTE 83%
समुचित ज्ञान समन्वय
BITS
Edu Campus
Vadodara
ESTD. 2003


10:35
LTE
83%
bit

6 - List View-Master:

The list items are automatically inserted to the list using an Adapter that pulls content from a source such as an array or database.

android:id, android:divider , android:dividerHeight are the properties of List View.

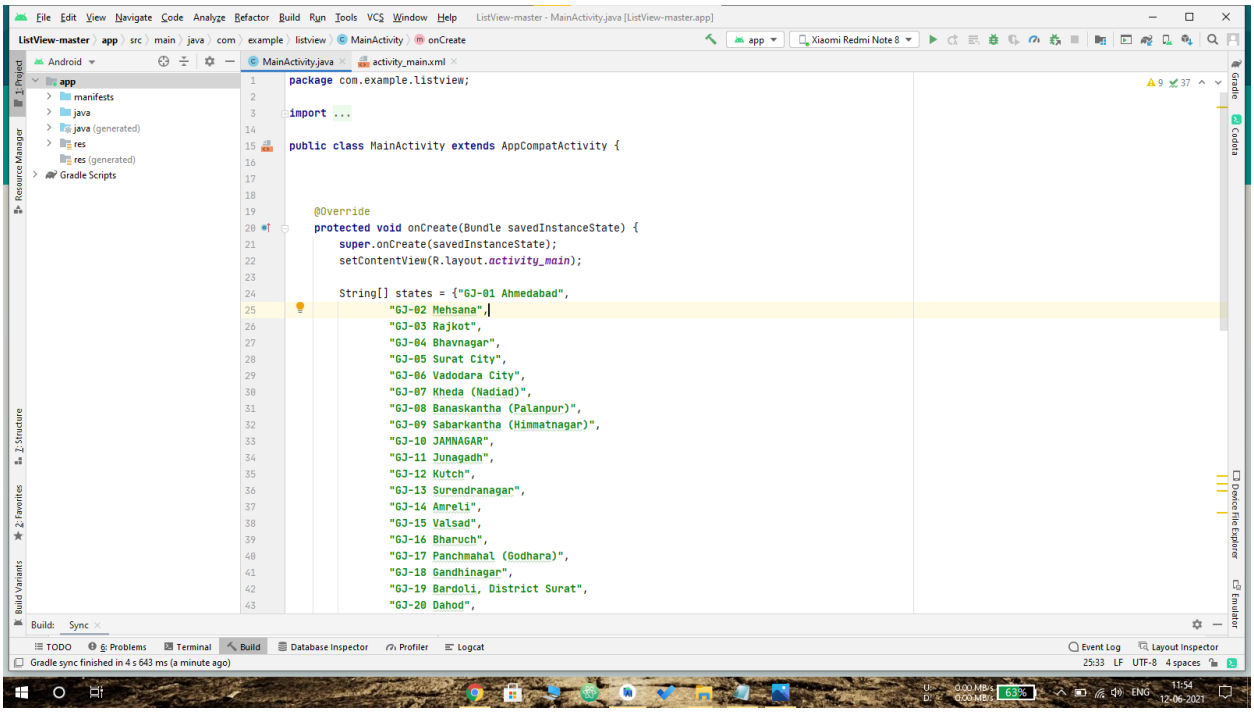
An adapter actually bridges between UI components and the data source that fill data into UI Component. Adapter holds the data and send the data to adapter view.

We can use the adapter like:

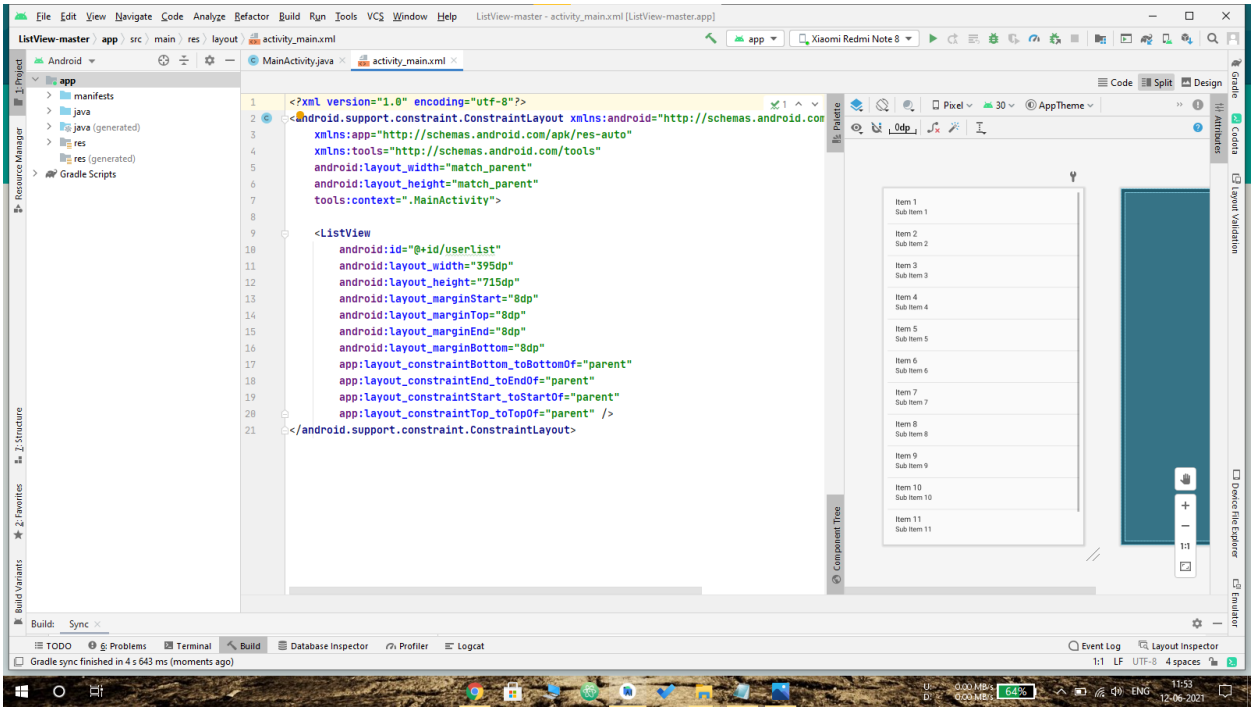
ArrayAdapter adapter = new ArrayAdapter(context, R.layout.ListView, StringArray);

Code:

Main activity:



Activity_main.xml:

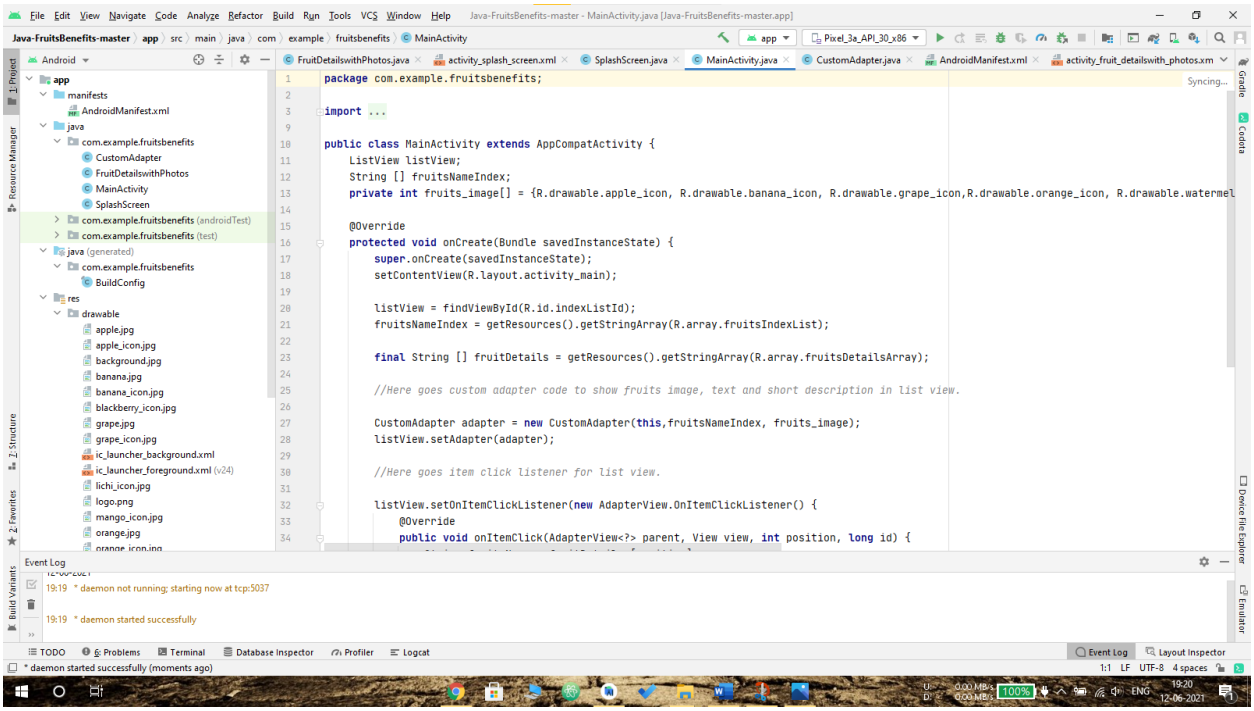


Output:


12:34
LTE 57%
ListView
GJ-01 Ahmedabad
GJ-02 Mehsana
GJ-03 Rajkot
GJ-04 Bhavnagar
GJ-05 Surat City
GJ-06 Vadodara City
GJ-07 Kheda (Nadiad)
GJ-08 Banaskantha (Palanpur)
GJ-09 Sabarkantha (Himmatnagar)
GJ-10 JAMNAGAR
GJ-11 Junagadh
GJ-12 Kutch
GJ-13 Surendranagar
GJ-14 Amreli
GJ-15 Valsad
12:34
LTE 57%
ListView
GJ-04 Bhavnagar
GJ-05 Surat City
GJ-06 Vadodara City
GJ-07 Kheda (Nadiad)
GJ-08 Banaskantha (Palanpur)
GJ-09 Sabarkantha (Himmatnagar)
GJ-10 JAMNAGAR
GJ-11 Junagadh
GJ-12 Kutch
GJ-13 Surendranagar
GJ-14 Amreli
GJ-15 Valsad
GJ-16 Bharuch
GJ-17 Panchmahal (Godhara)
State Name : GJ-10 JAMNAGAR

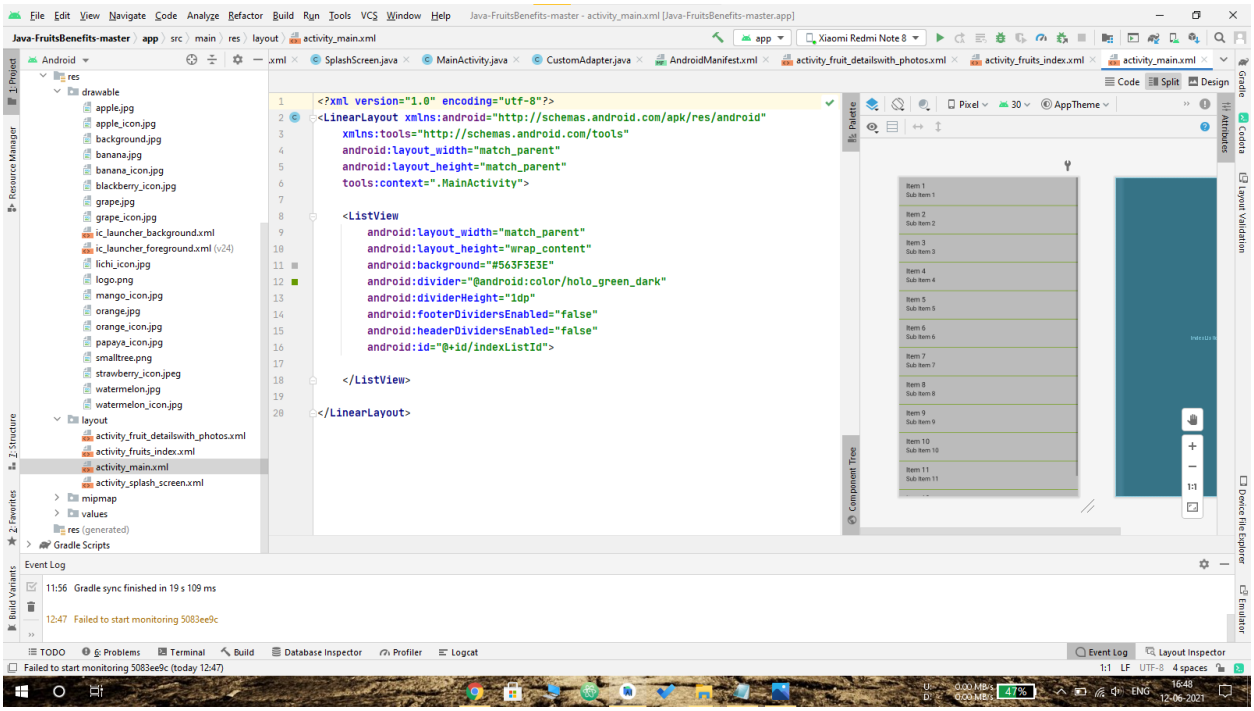
6.1 -Custom view list:

Main activity:



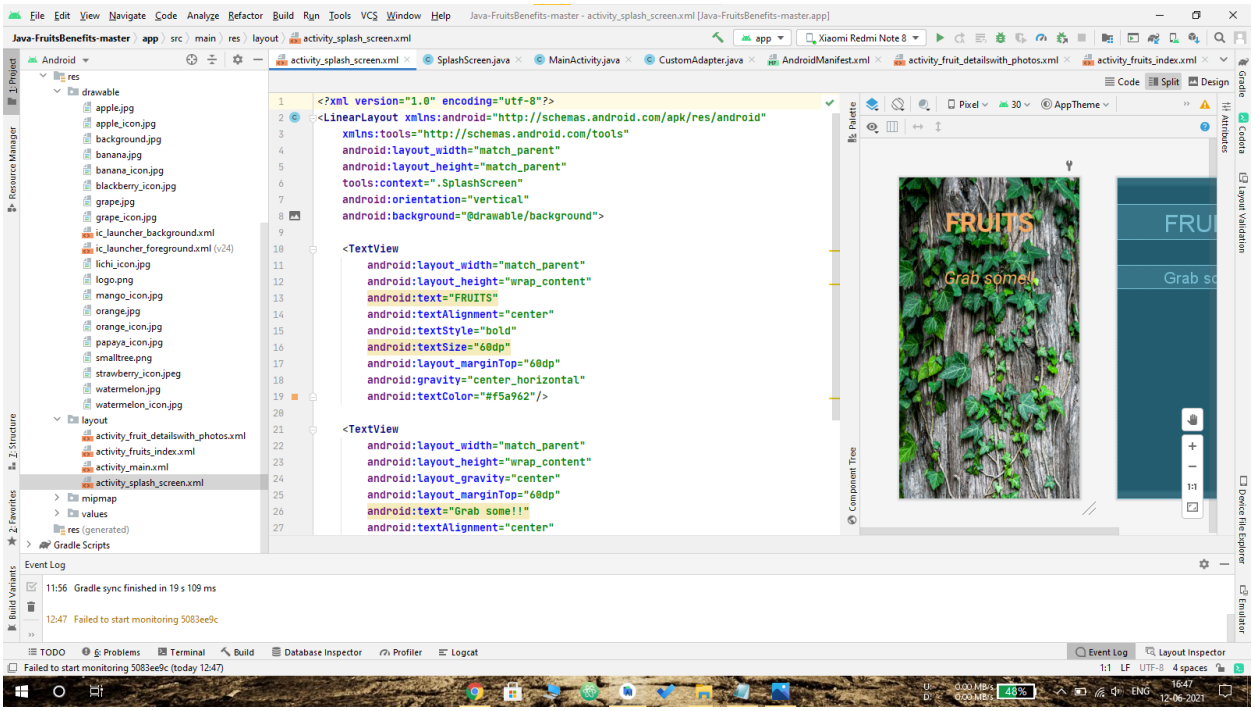
```
package com.example.fruitsbenefits;

import ...

public class MainActivity extends AppCompatActivity {
    ListView listView;
    String [] fruitsNameIndex;
    private int fruits_image[] = {R.drawable.apple_icon, R.drawable.banana_icon, R.drawable.grape_icon,R.drawable.orange_icon, R.drawable.watermel

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

        listView = findViewById(R.id.indexListId);
        fruitsNameIndex = getResources().getStringArray(R.array.fruitsIndexList);

        final String [] fruitDetails = getResources().getStringArray(R.array.fruitsDetailsArray);

        //Here goes custom adapter code to show fruits image, text and short description in list view.

        CustomAdapter adapter = new CustomAdapter(this,fruitsNameIndex, fruits_image);
        listView.setAdapter(adapter);

        //Here goes item click listener for list view.

        listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            @Override
            public void onItemClick(AdapterView<?> parent, View view, int position, long id) {
```

Activity_main.xml:



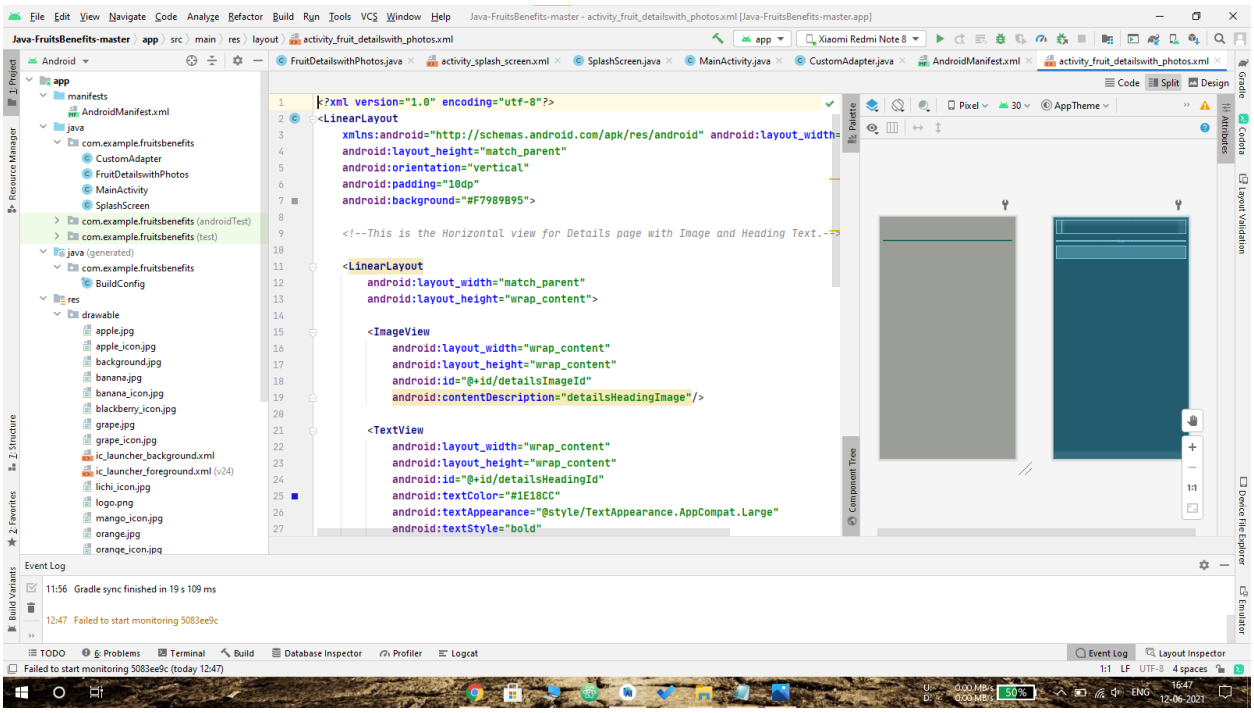
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".MainActivity">

    <ListView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:background="#563F3E3E"
        android:divider="@android:color/holo_green_dark"
        android:dividerHeight="1dp"
        android:footerDividersEnabled="false"
        android:headerDividersEnabled="false"
        android:id="@+id/indexListId">

    </ListView>

</LinearLayout>
```

Activity_splash_screen.xml:



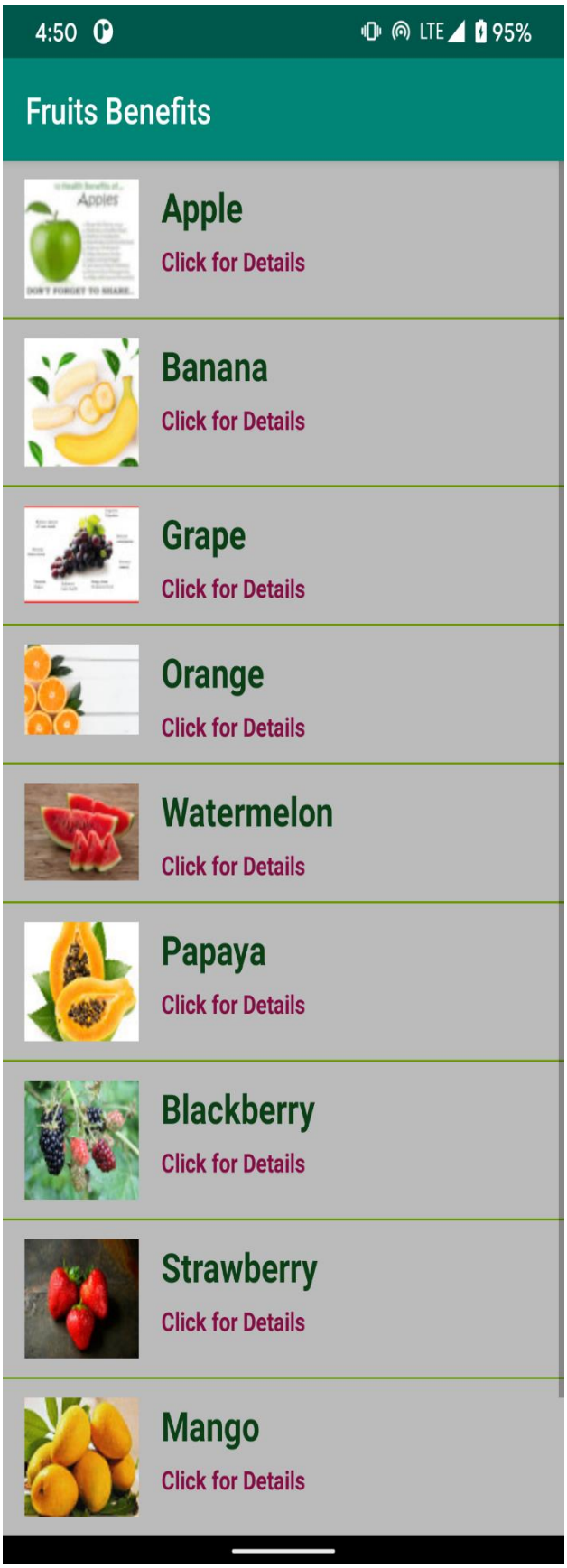
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".SplashScreen"
    android:orientation="vertical"
    android:background="@drawable/background">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="FRUITS"
        android:textAlignment="center"
        android:textStyle="bold"
        android:textSize="60dp"
        android:layout_marginTop="60dp"
        android:gravity="center_horizontal"
        android:textColor="#f5a962"/>

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_gravity="center"
        android:layout_marginTop="60dp"
        android:text="Grab some!!"
        android:textAlignment="center"
```

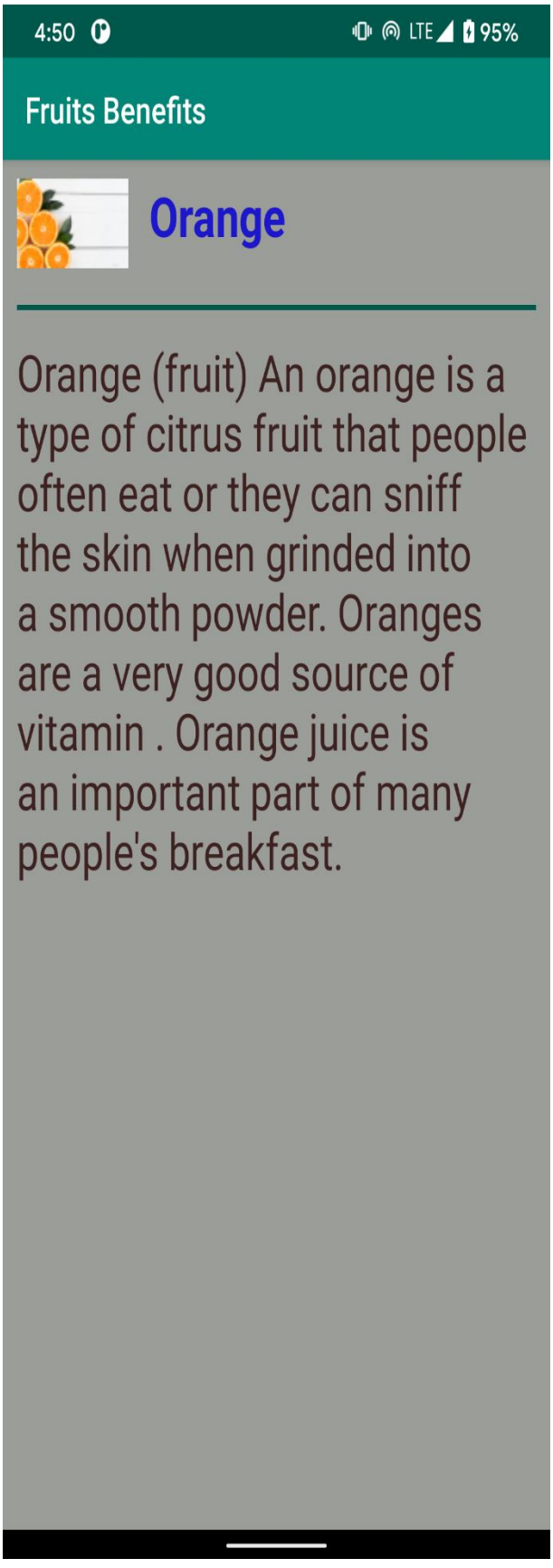
Activity_friuits_details_with_photos.xml:



```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android" android:layout_width=
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:padding="10dp"
    android:background="#F7989B95">

    <!--This is the Horizontal view for Details page with Image and Heading Text.-->

    <LinearLayout
        android:layout_width="match_parent"
        android:layout_height="wrap_content">

        <ImageView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/detailsImageId"
            android:contentDescription="detailsHeadingImage"/>

        <TextView
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:id="@+id/detailsHeadingId"
            android:textColor="#1E18CC"
            android:textAppearance="@style/TextAppearance.AppCompat.Large"
            android:textStyle="bold"
```

Output:


4:50
LTE 95%
Fruits Benefits
Apple
Click for Details
Banana
Click for Details
Grape
Click for Details
Orange
Click for Details
Watermelon
Click for Details
Papaya
Click for Details
Blackberry
Click for Details
Strawberry
Click for Details
Mango
Click for Details


4:50
LTE 95%
Fruits Benefits
Orange
Orange (fruit) An orange is a type of citrus fruit that people often eat or they can sniff the skin when grinded into a smooth powder. Oranges are a very good source of vitamin . Orange juice is an important part of many people's breakfast.

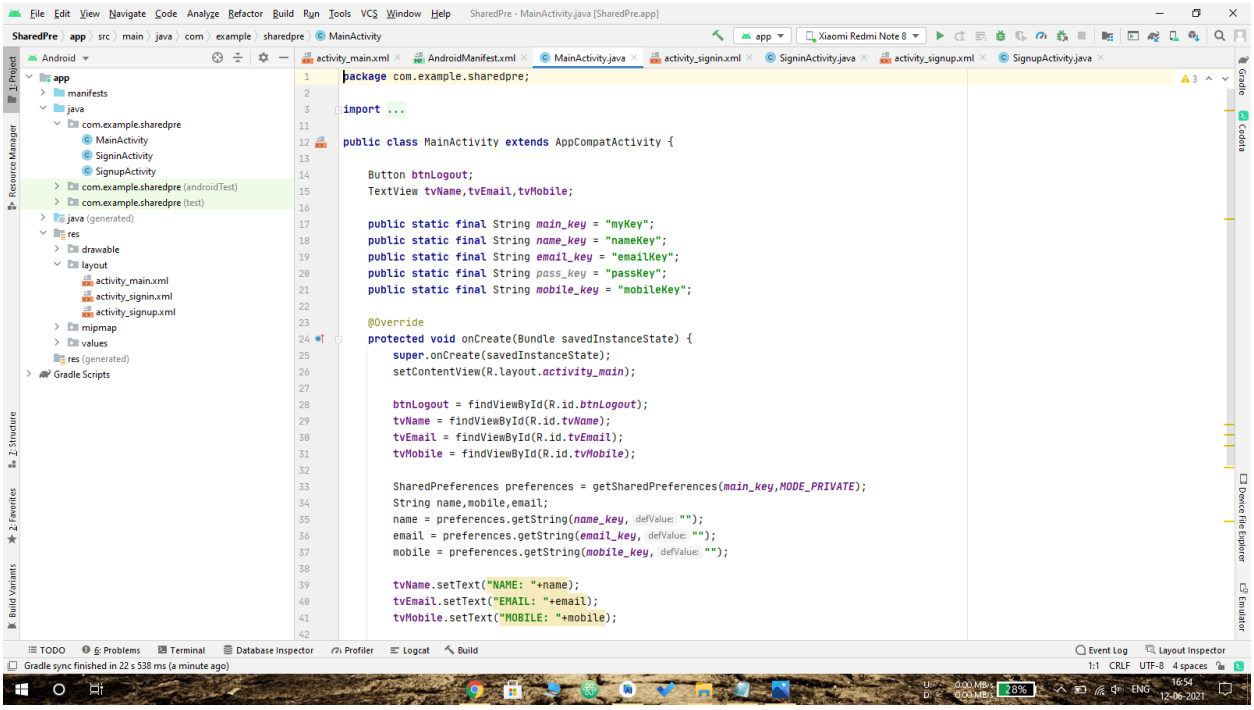
7 - Shared Preferences:

Using Shared Preferences, we can store the data on local device for temporary purpose if user clear the data of app, then the stored data of shared preferences are removed and users have to login again.

Using Shared Preferences, we can make user stay logged IN in the application.

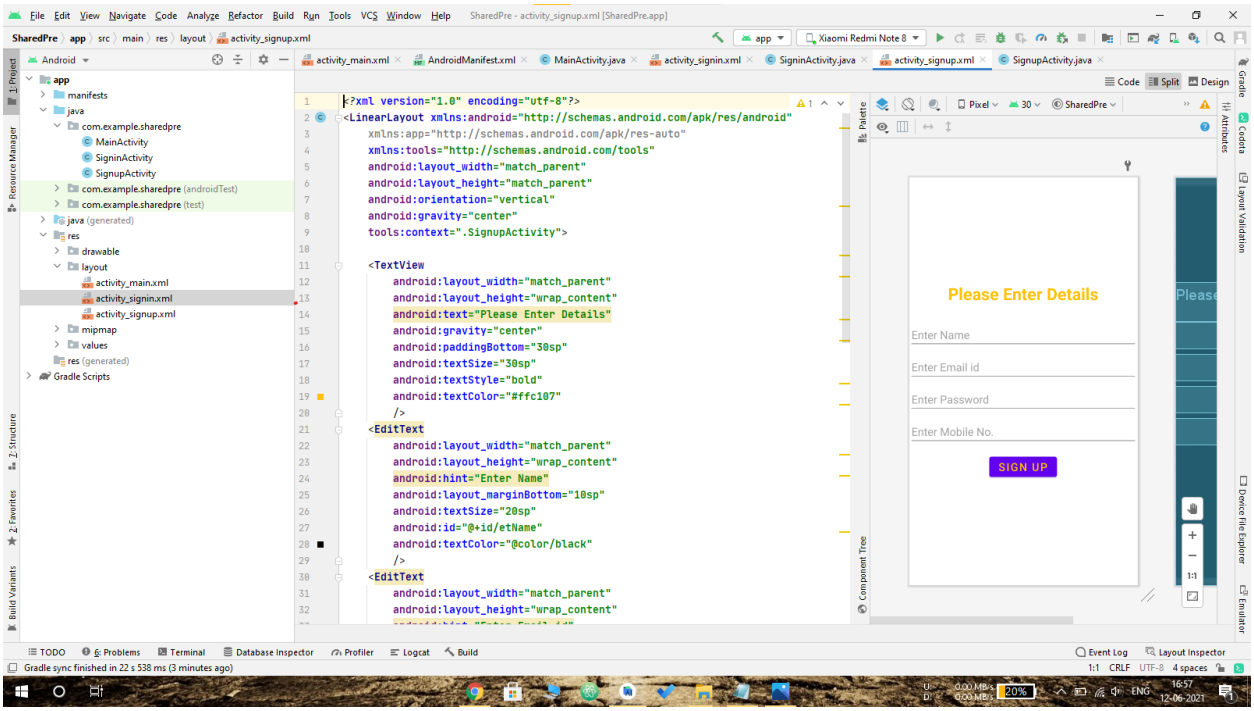
Code:

Main activity:



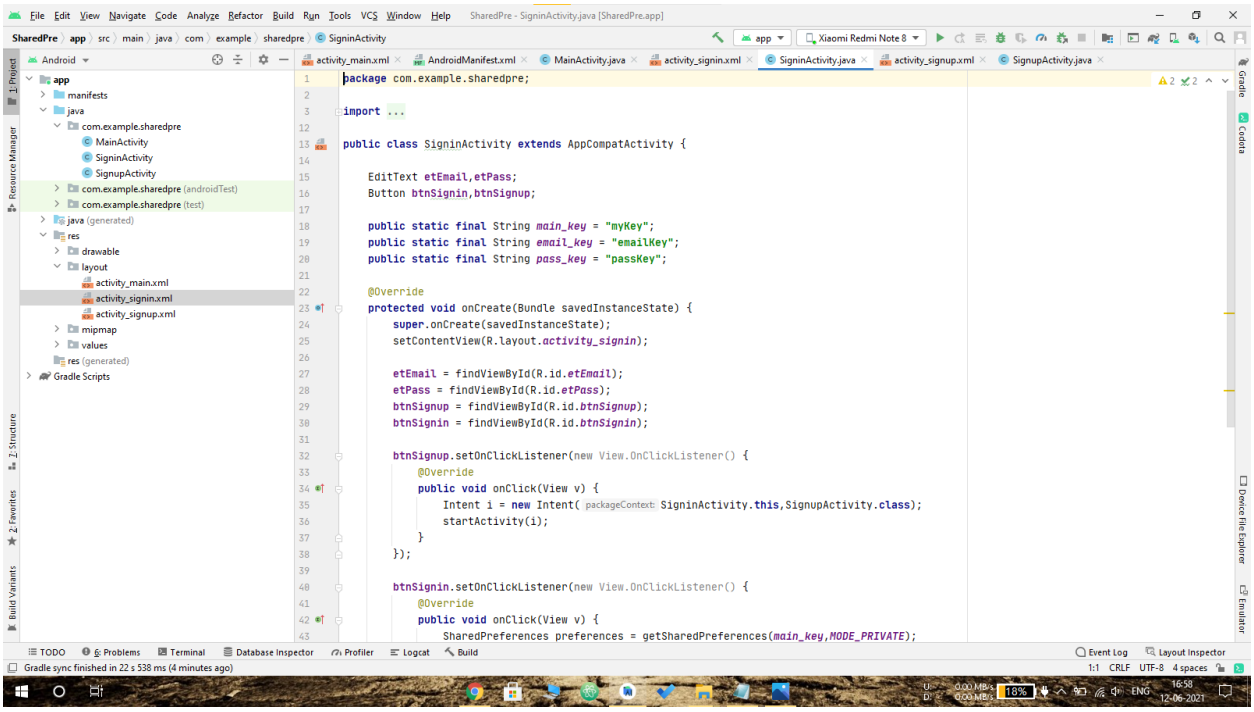
```
package com.example.sharedpre;

import ...

public class MainActivity extends AppCompatActivity {

    Button btnLogout;
    TextView tvName,tvEmail,tvMobile;

    public static final String main_key = "myKey";
    public static final String name_key = "nameKey";
    public static final String email_key = "emailKey";
    public static final String pass_key = "passKey";
    public static final String mobile_key = "mobileKey";

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

        btnLogout = findViewById(R.id.btnLogout);
        tvName = findViewById(R.id.tvName);
        tvEmail = findViewById(R.id.tvEmail);
        tvMobile = findViewById(R.id.tvMobile);

        SharedPreferences preferences = getSharedPreferences(main_key,MODE_PRIVATE);
        String name,mobile,email;
        name = preferences.getString(name_key, defValue: "");
        email = preferences.getString(email_key, defValue: "");
        mobile = preferences.getString(mobile_key, defValue: "");

        tvName.setText("NAME: "+name);
        tvEmail.setText("EMAIL: "+email);
        tvMobile.setText("MOBILE: "+mobile);
```

Activity_signup.xml:



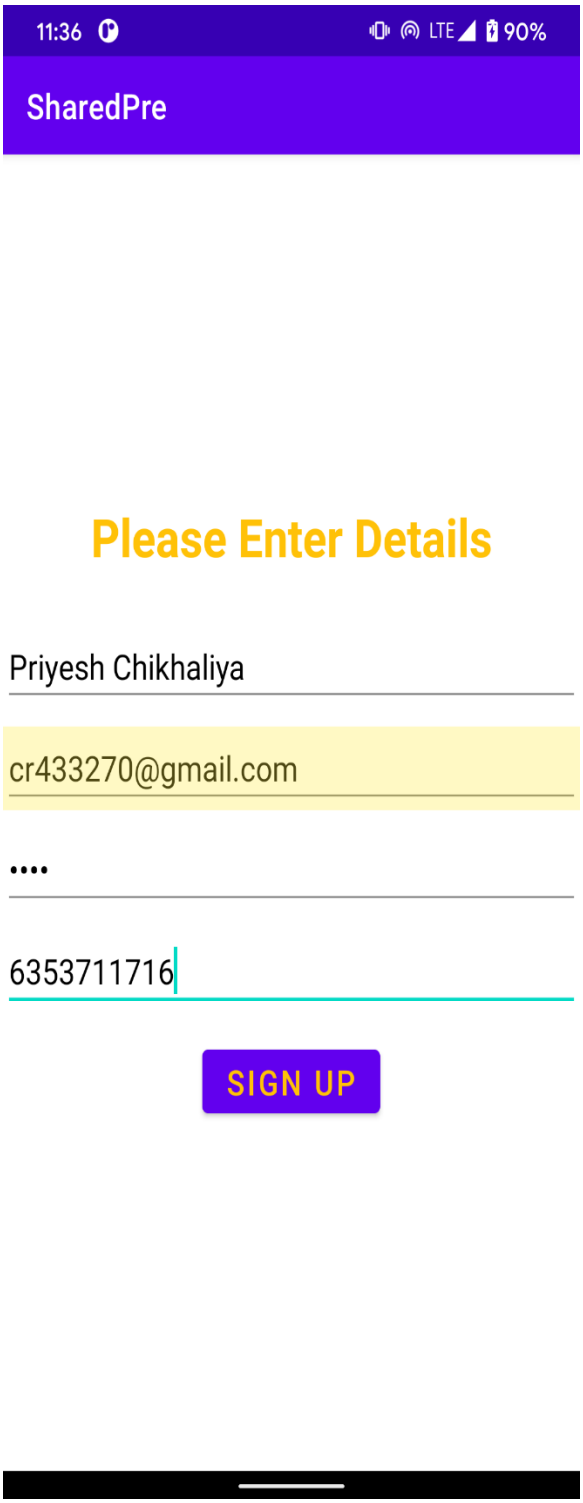
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center"
    tools:context=".SignupActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:text="Please Enter Details"
        android:gravity="center"
        android:paddingBottom="30sp"
        android:textSize="30sp"
        android:textStyle="bold"
        android:textColor="#ffc107"
        />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Enter Name"
        android:layout_marginBottom="10sp"
        android:textSize="20sp"
        android:id="@+id/etName"
        android:textColor="@color/black"
        />
    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
```

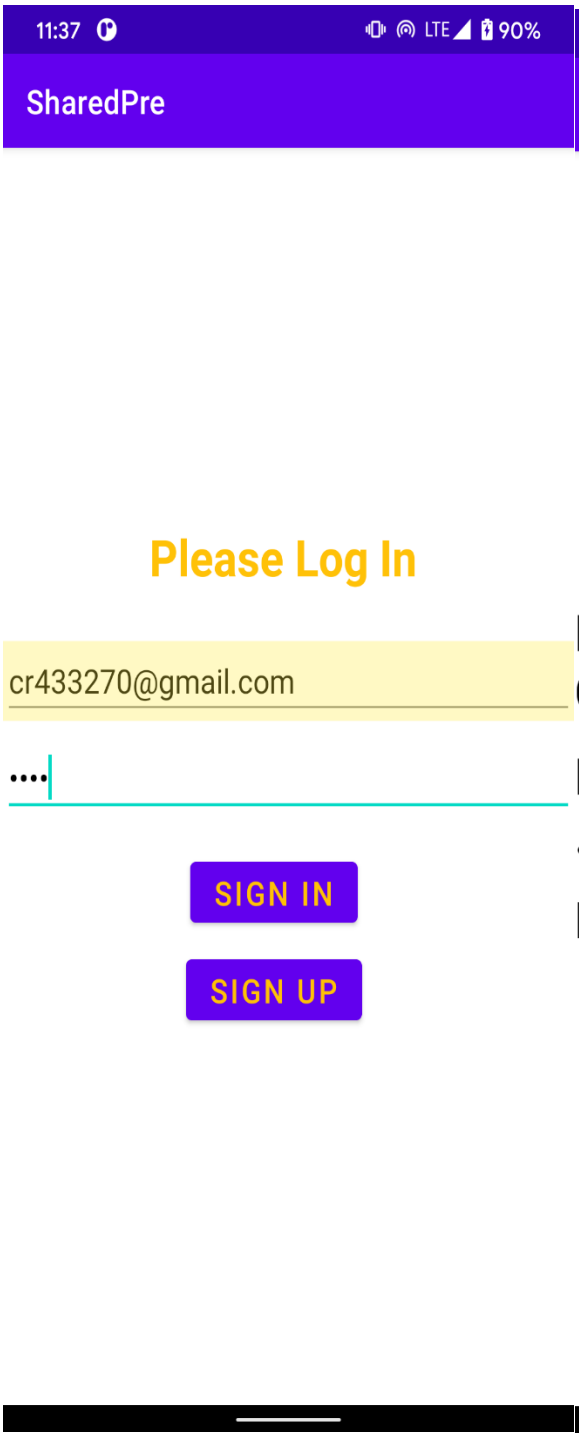
Signin activity.java:

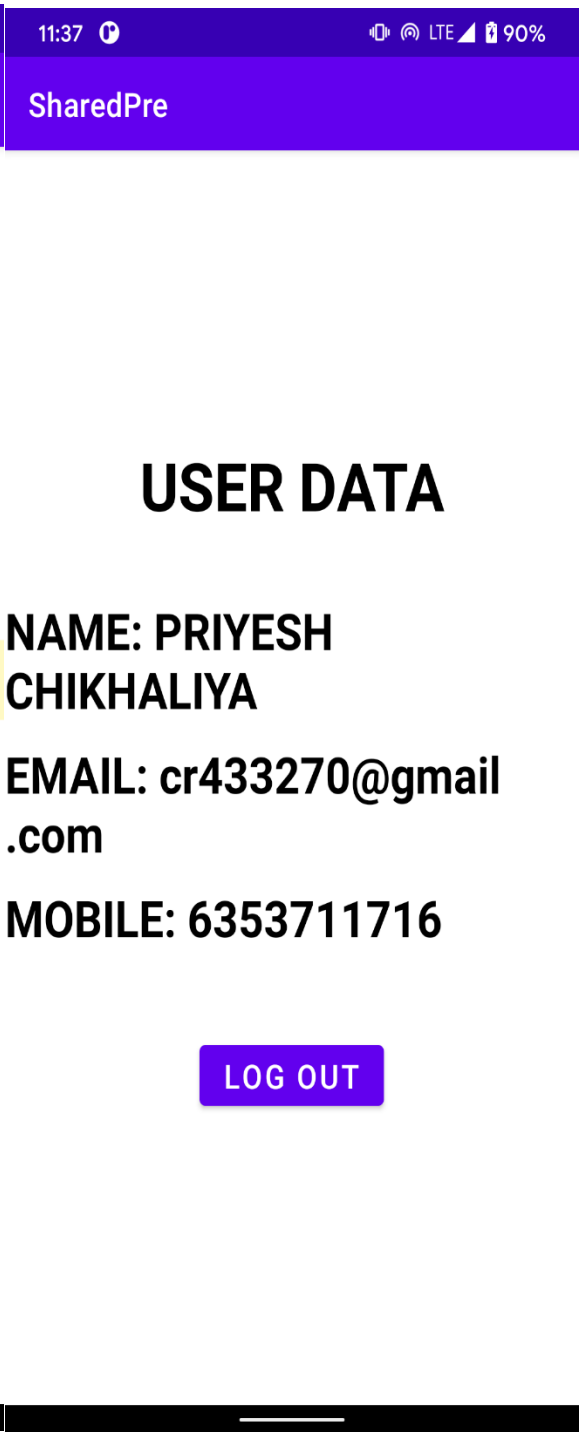


```
package com.example.sharedpre;

import ...

public class SigninActivity extends AppCompatActivity {

    EditText etEmail,etPass;
    Button btnSignin,btnSignup;

    public static final String main_key = "myKey";
    public static final String email_key = "emailKey";
    public static final String pass_key = "passKey";

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

        etEmail = findViewById(R.id.etEmail);
        etPass = findViewById(R.id.etPass);
        btnSignup = findViewById(R.id.btnSignup);
        btnSignin = findViewById(R.id.btnSignin);

        btnSignup.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent( packageContext: SigninActivity.this,SignupActivity.class);
                startActivity(i);
            }
        });

        btnSignin.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                SharedPreferences preferences = getSharedPreferences(main_key,MODE_PRIVATE);
```

Output:


11:36
LTE
90%
SharedPre
Please Enter Details
Priyesh Chikhaliya
cr433270@gmail.com
••••
6353711716
SIGN UP


11:37
LTE 90%
SharedPre
Please Log In
cr433270@gmail.com
....
SIGN IN
SIGN UP


11:37
LTE 90%
SharedPre
USER DATA
NAME: PRIYESH CHIKHALIYA
EMAIL: cr433270@gmail.com
MOBILE: 6353711716
LOG OUT

8 - Phone:

Using intent's ACTION_CALL property we can make call from calling app.

Intent intent = new Intent(Intent.ACTION_CALL);

We have to set the mobile number to URI and it redirect to calling app.

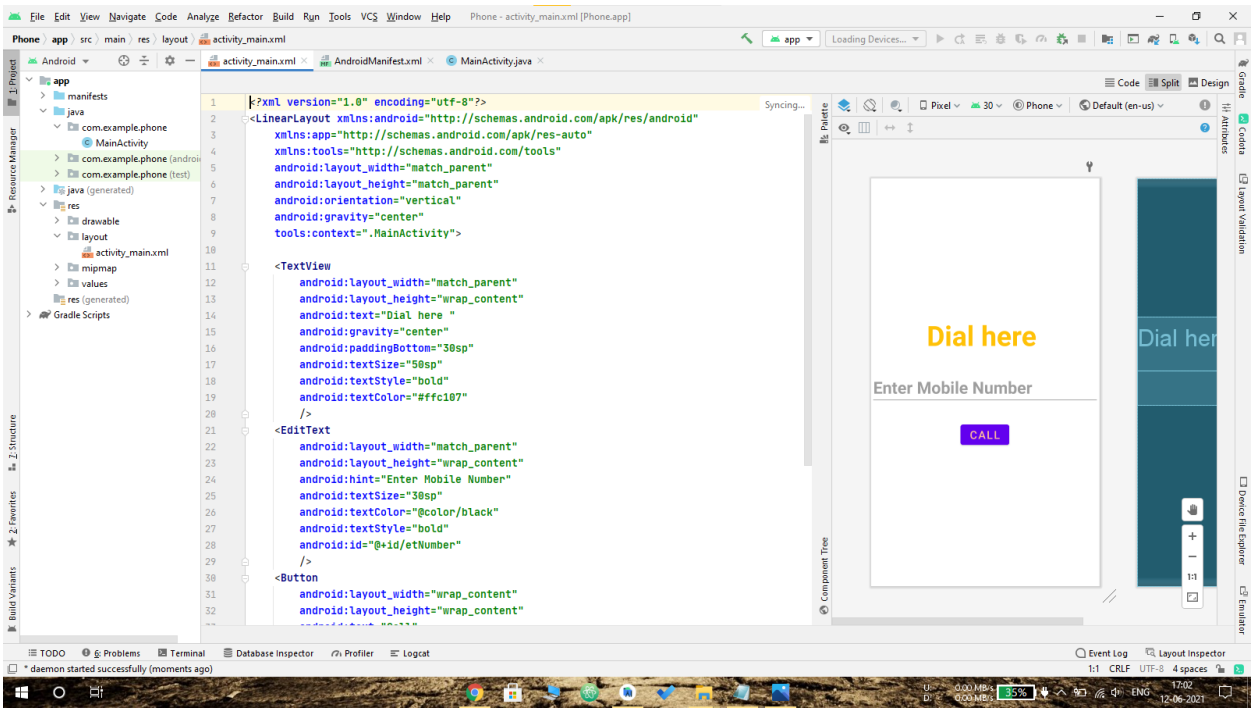
intent.setData(Uri.parse("number:"+phNumber));

and we have to add "uses-permission" for call_phone in AndroidManifest.xml file:

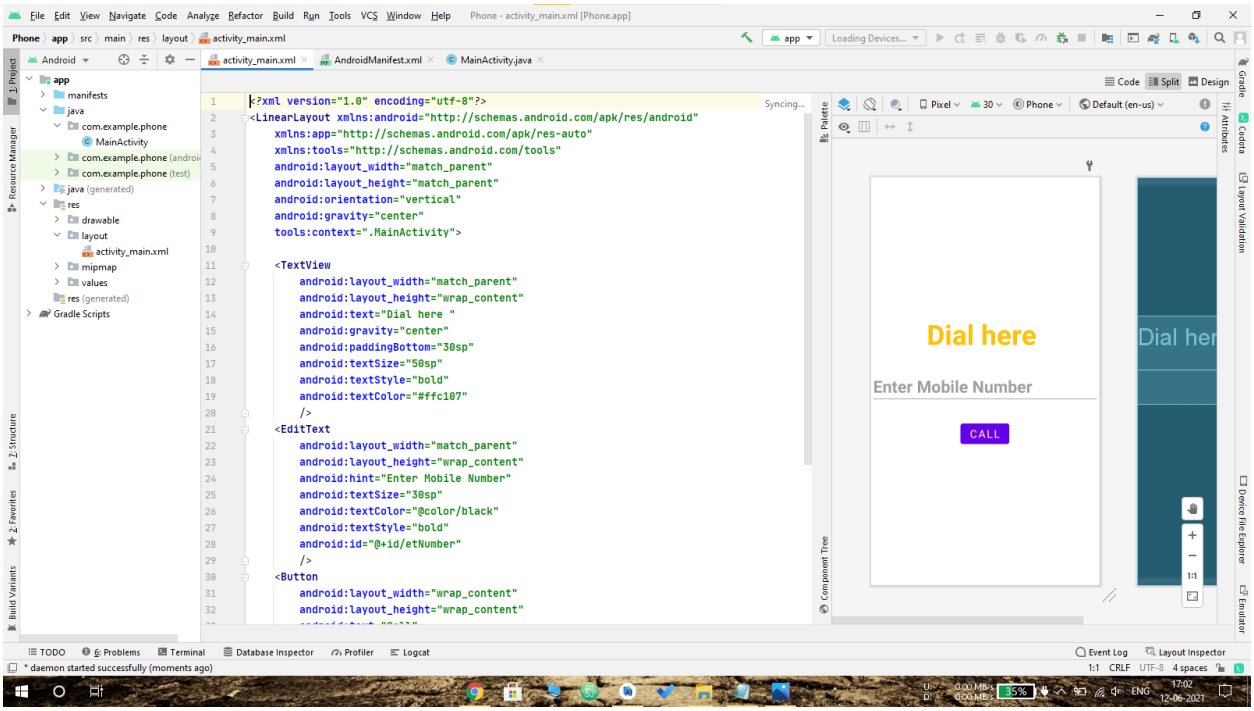
<uses-permission android:name="android.permission.CALL_PHONE"></uses-permission>

Code:

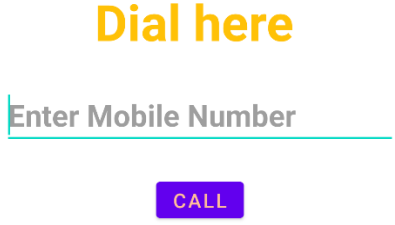
Main activity:

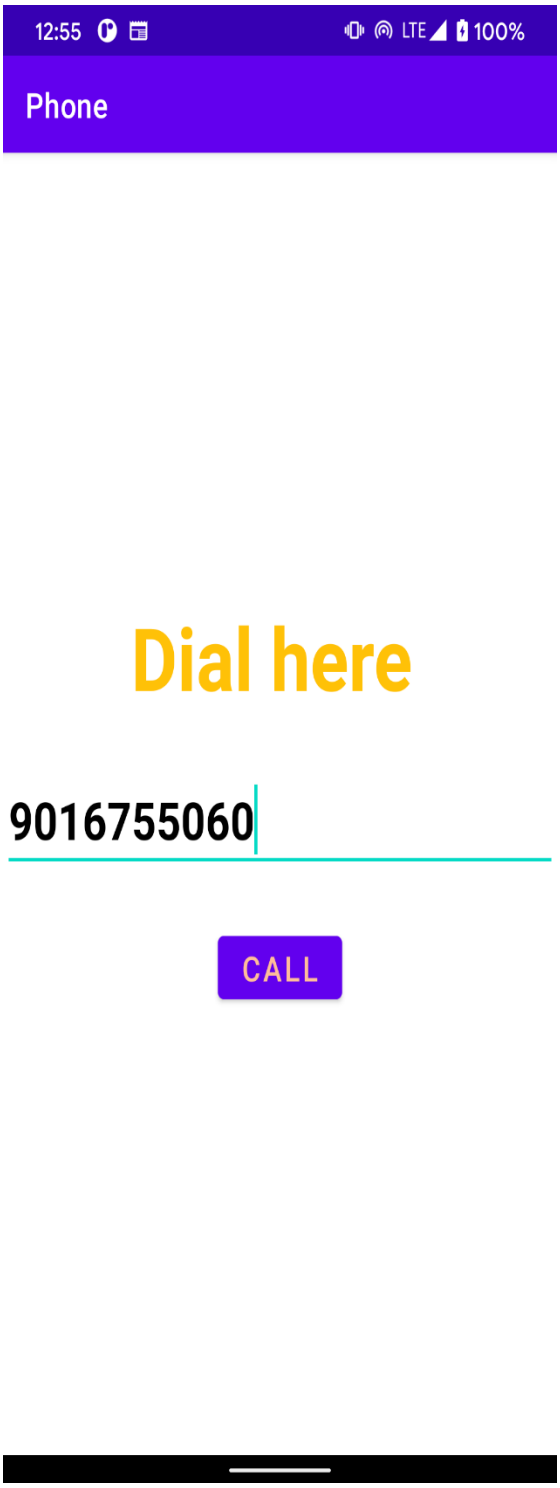


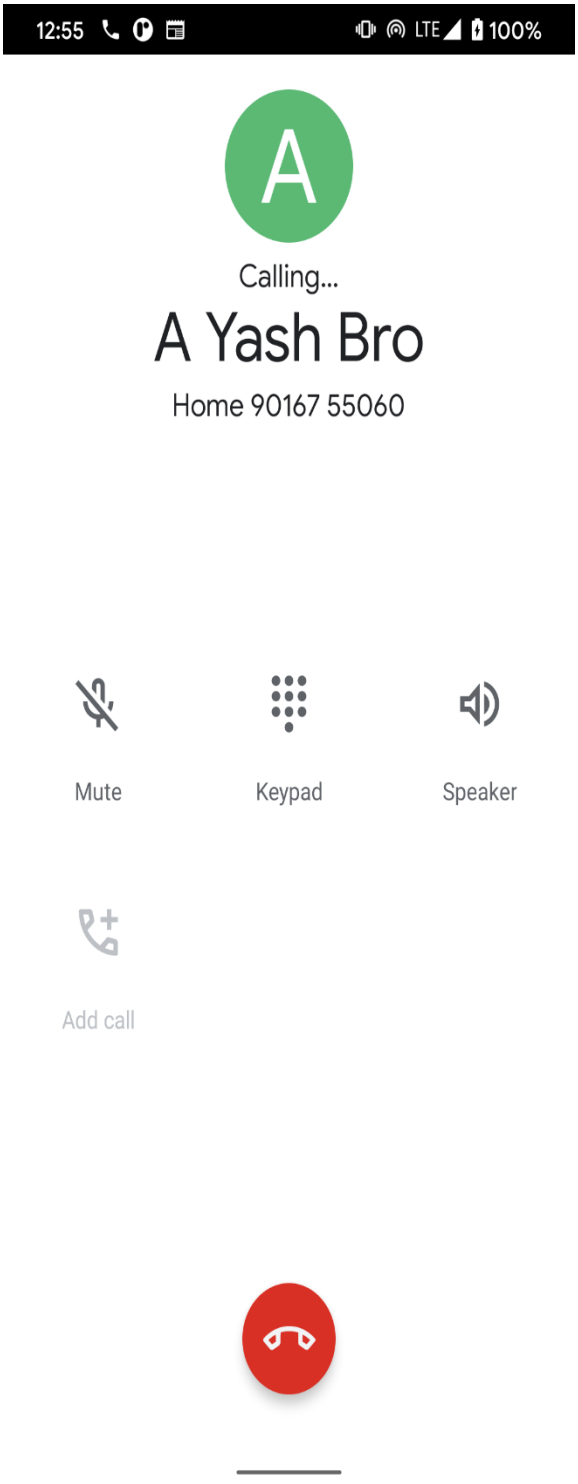
Activity_main.xml:



Output:




12:55
LTE
100%
Phone
Dial here
9016755060
CALL

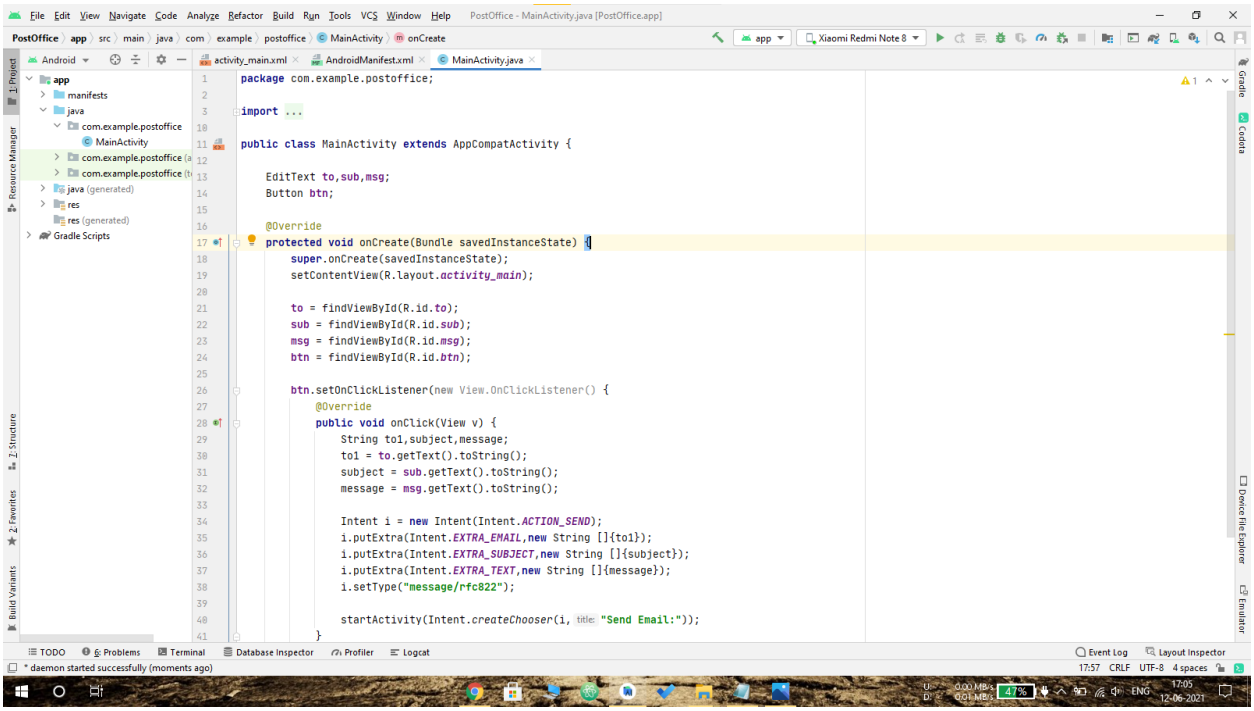

12:55
LTE
100%
A
Calling...
A Yash Bro
Home 90167 55060
Mute
Keypad
Speaker
Add call

9 – PostOffice:

To send email from our android application we need following Intent actions. **Intent.ACTION_SEND, Intent.EXTRA_EMAIL, Intent.EXTRA_SUBJECT, Intent.EXTRA_TEXT, Intent.createChooser().**

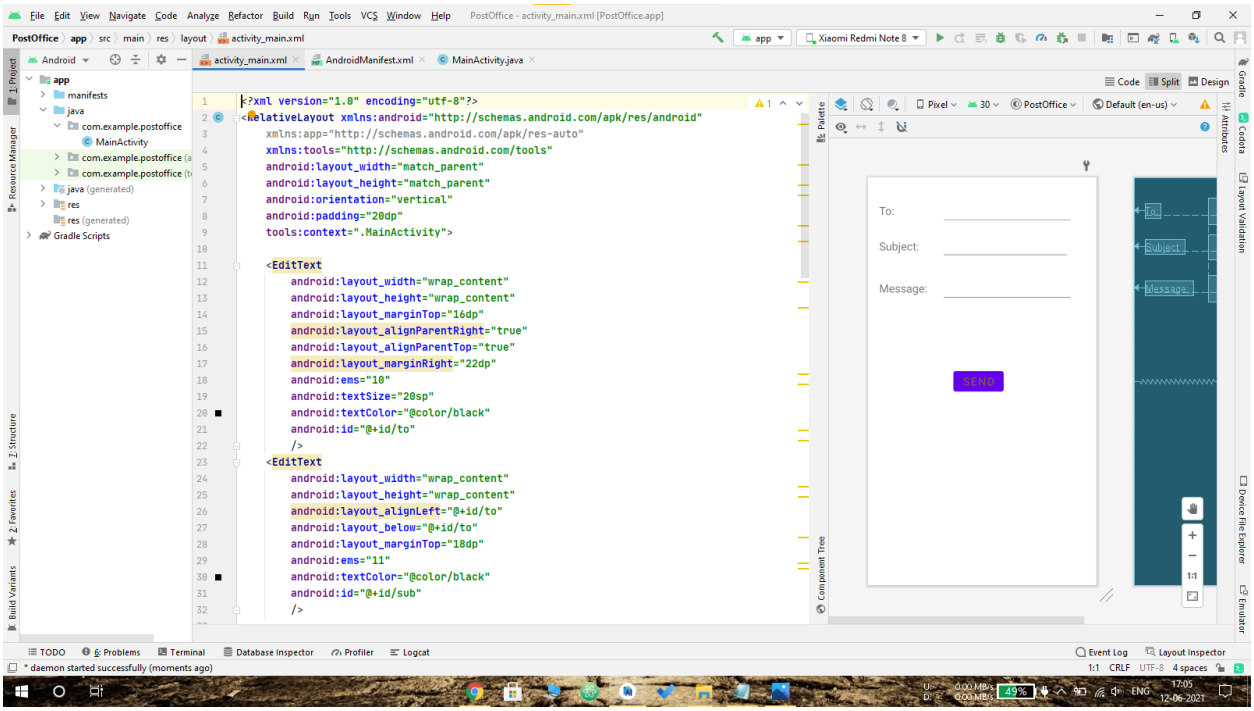
Code:

Main activity:



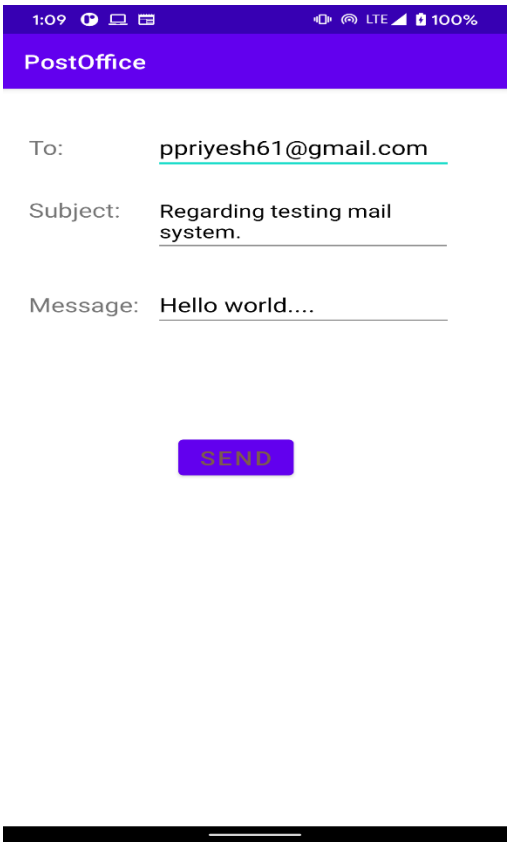
```
package com.example.postoffice;

import ...

public class MainActivity extends AppCompatActivity {

    EditText to,sub,msg;
    Button btn;

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

        to = findViewById(R.id.to);
        sub = findViewById(R.id.sub);
        msg = findViewById(R.id.msg);
        btn = findViewById(R.id.btn);

        btn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String to1,subject,message;
                to1 = to.getText().toString();
                subject = sub.getText().toString();
                message = msg.getText().toString();

                Intent i = new Intent(Intent.ACTION_SEND);
                i.putExtra(Intent.EXTRA_EMAIL,new String []{to1});
                i.putExtra(Intent.EXTRA_SUBJECT,new String []{subject});
                i.putExtra(Intent.EXTRA_TEXT,new String []{message});
                i.setType("message/rfc822");

                startActivity(Intent.createChooser(i, title: "Send Email:"));
            }
```

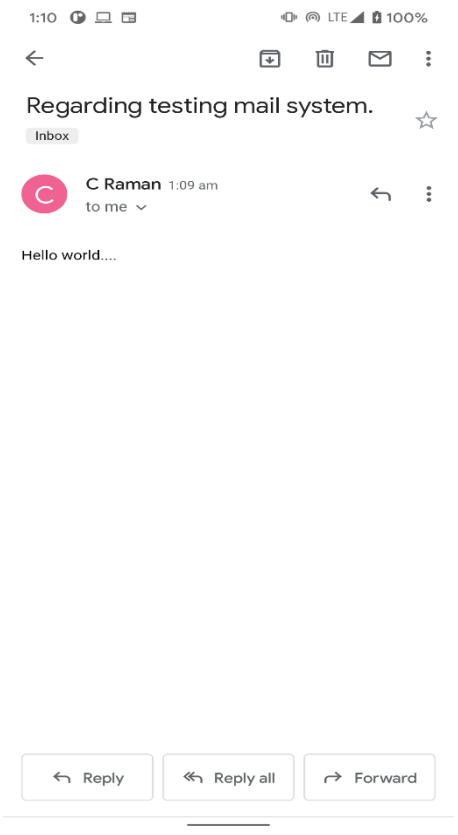
Activity_main.xml:



```
<?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"
    android:orientation="vertical"
    android:padding="20dp"
    tools:context=".MainActivity">

    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_marginTop="16dp"
        android:layout_alignParentRight="true"
        android:layout_alignParentTop="true"
        android:layout_marginRight="22dp"
        android:ems="10"
        android:textSize="20sp"
        android:textColor="@color/black"
        android:id="@+id/to"
        />
    <EditText
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_alignLeft="@+id/to"
        android:layout_below="@+id/to"
        android:layout_marginTop="18dp"
        android:ems="11"
        android:textColor="@color/black"
        android:id="@+id/sub"
        />
```

Output:



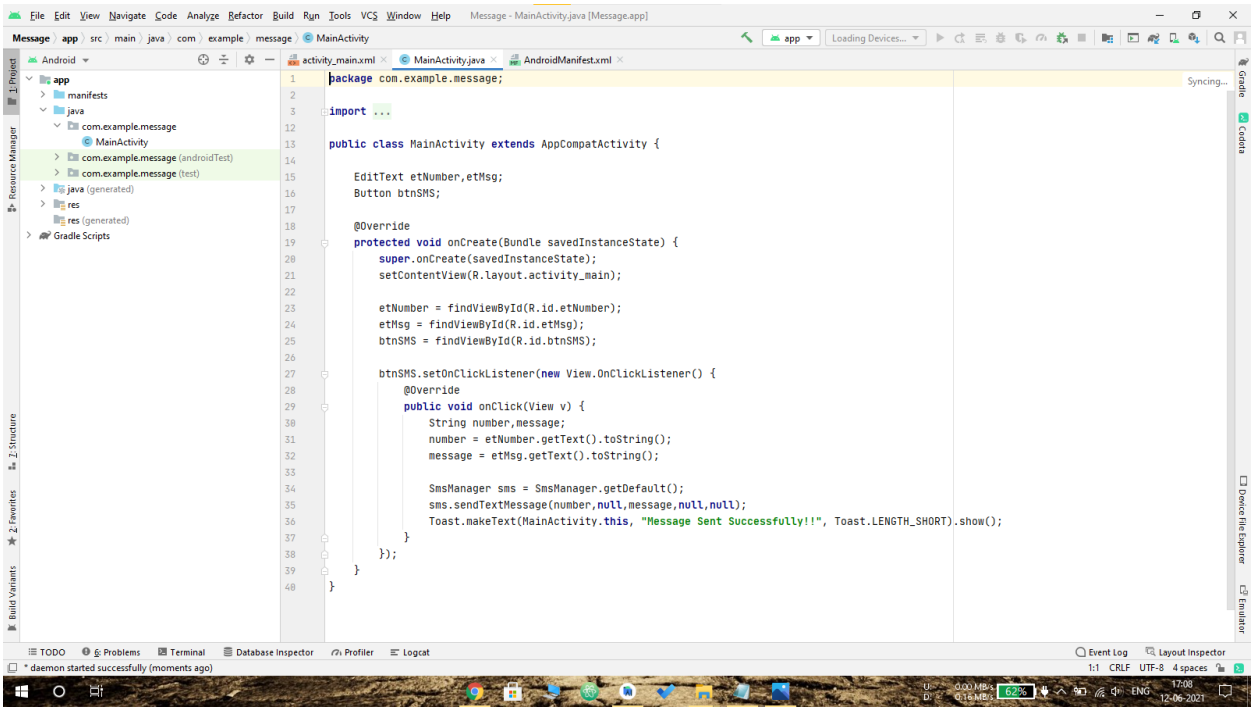


10 – Message:

- We can send SMS from our android application in two ways either by using SMSManager api or Intents based on our requirements.
- If we use SMSManager api, it will directly send SMS from our application.
- In case if we use Intent with proper action (ACTION_VIEW), it will invoke built-in SMS app to send SMS from our application

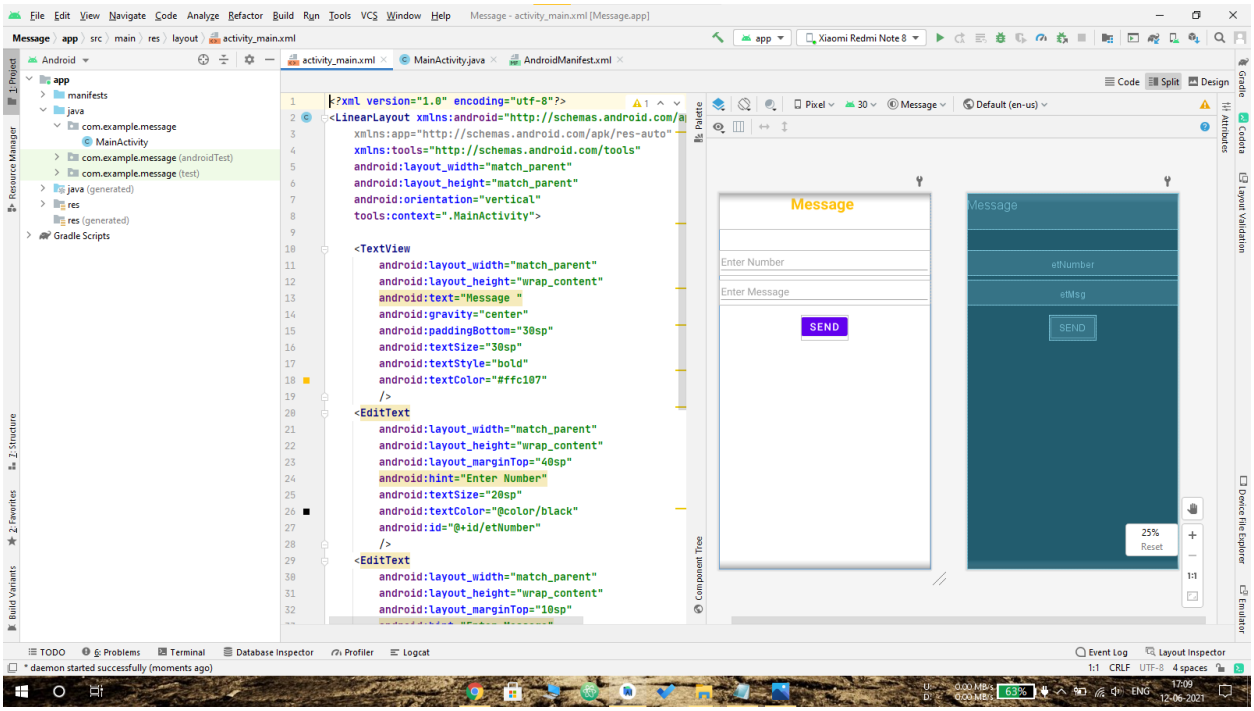
Code:

Main activity:

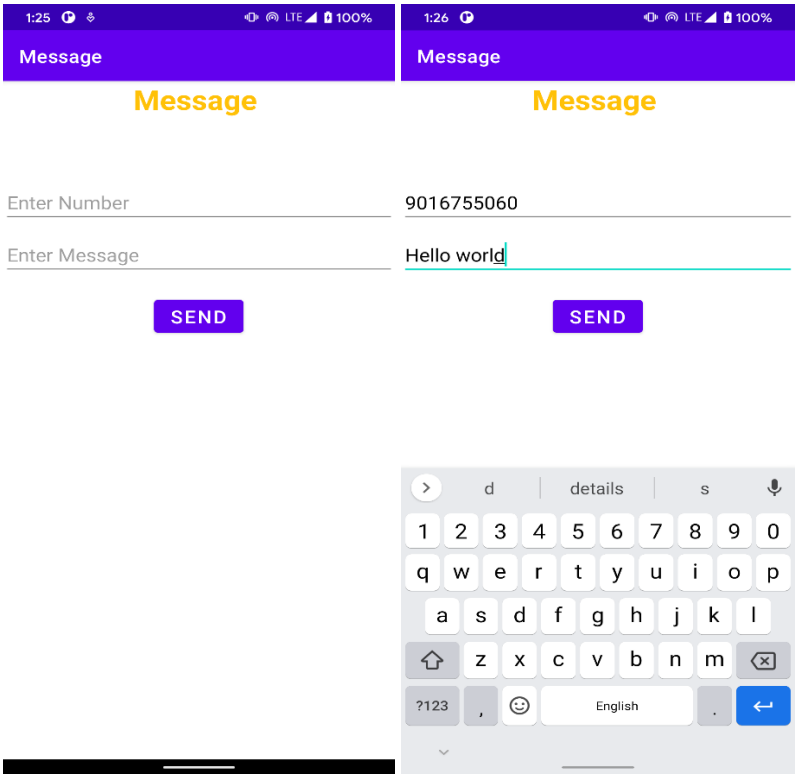


```
package com.example.message;

import ...

public class MainActivity extends AppCompatActivity {

    EditText etNumber,etMsg;
    Button btnSMS;

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

        etNumber = findViewById(R.id.etNumber);
        etMsg = findViewById(R.id.etMsg);
        btnSMS = findViewById(R.id.btnSMS);

        btnSMS.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String number,message;
                number = etNumber.getText().toString();
                message = etMsg.getText().toString();

                SmsManager sms = SmsManager.getDefault();
                sms.sendTextMessage(number,null,message,null,null);
                Toast.makeText(MainActivity.this, "Message Sent Successfully!!", Toast.LENGTH_SHORT).show();
            }
        });
    }
}
```

Activity_main.xml:



Output:



11 –Player

To Play music we have to define MediaPlayer:

MediaPlayer mPlayer = MediaPlayer.create(this, R.raw.audio_file_name);

After that We can start Media Player using start() Method.

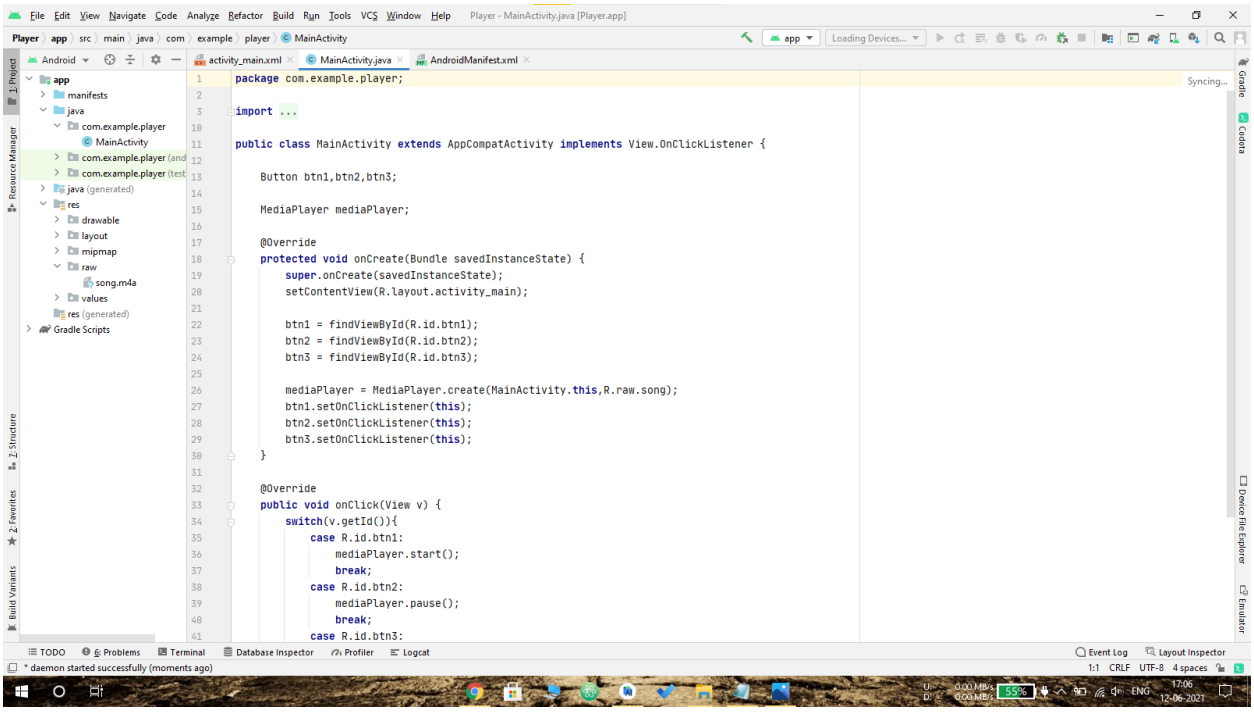
mPlayer.start();

pause() method is used to pause the Audio.

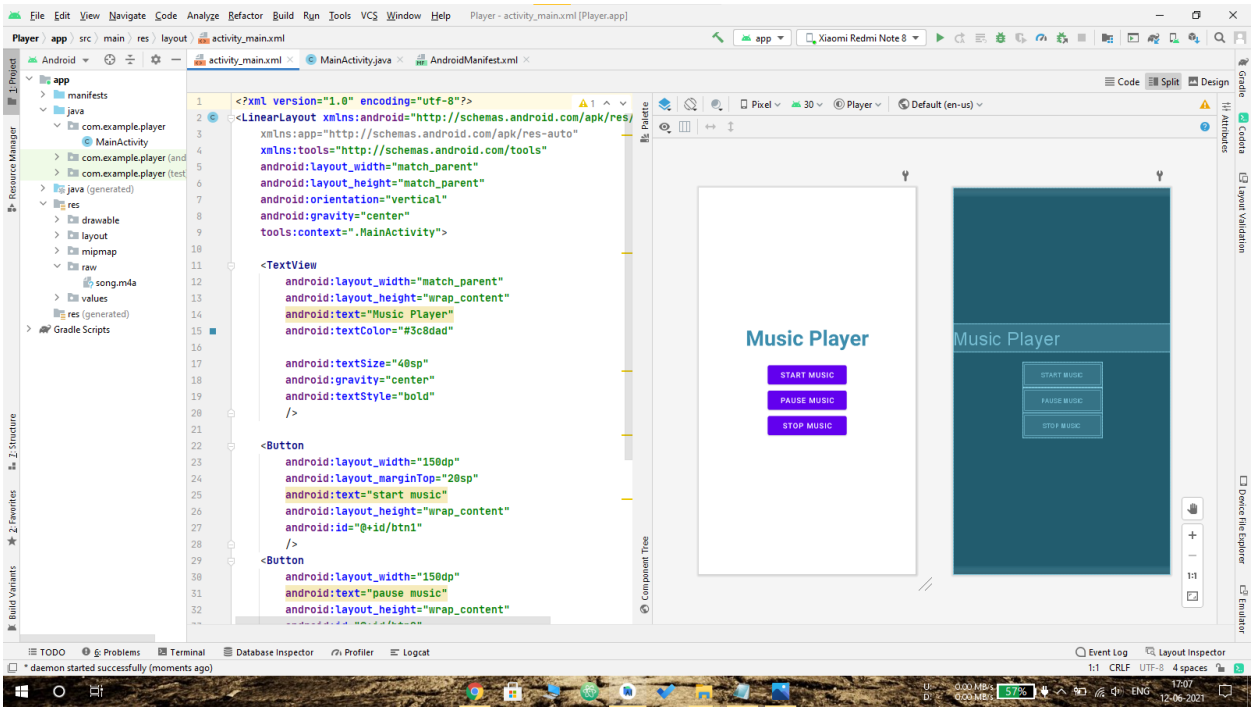
stop() method is used to stop the Audio.

Code:

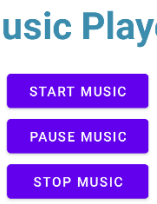
Main activity:



Activity_main.xml:



Output:

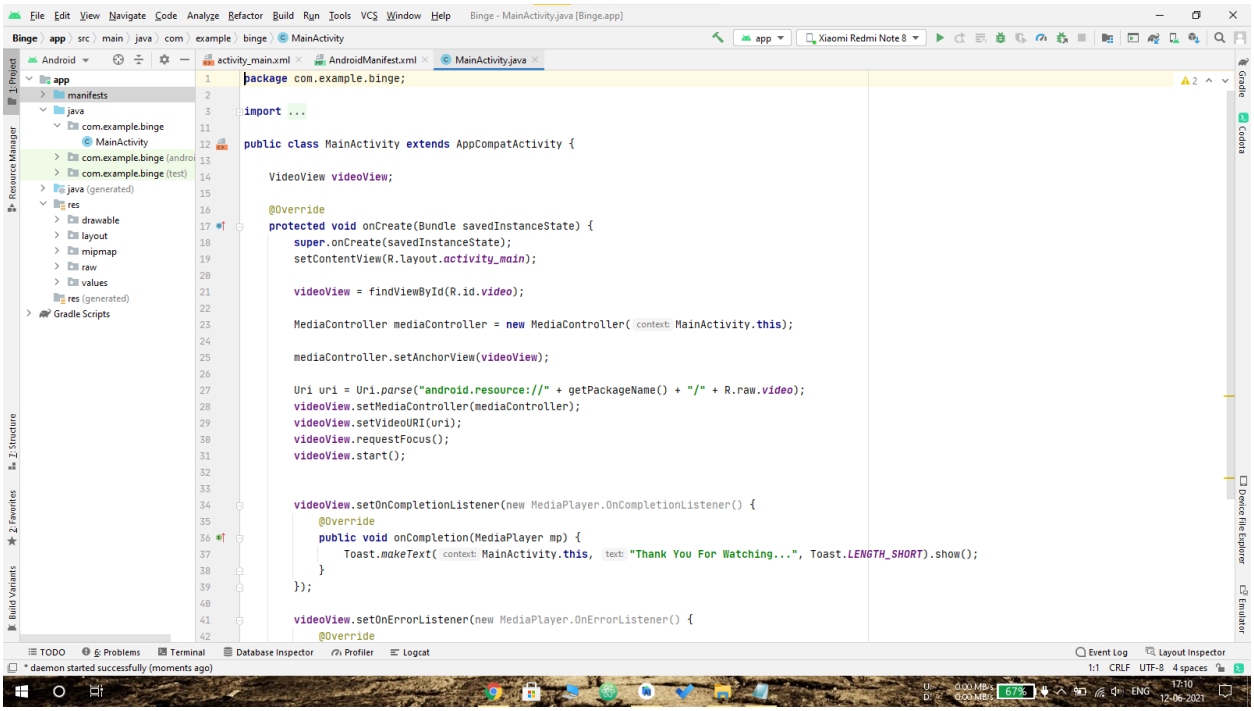


12 – Binge:

In android , VideoView component and MediaController class is used to implement the video player in android applications to play the videos with multiple playback options, such as play, pause, forward, backward, etc.

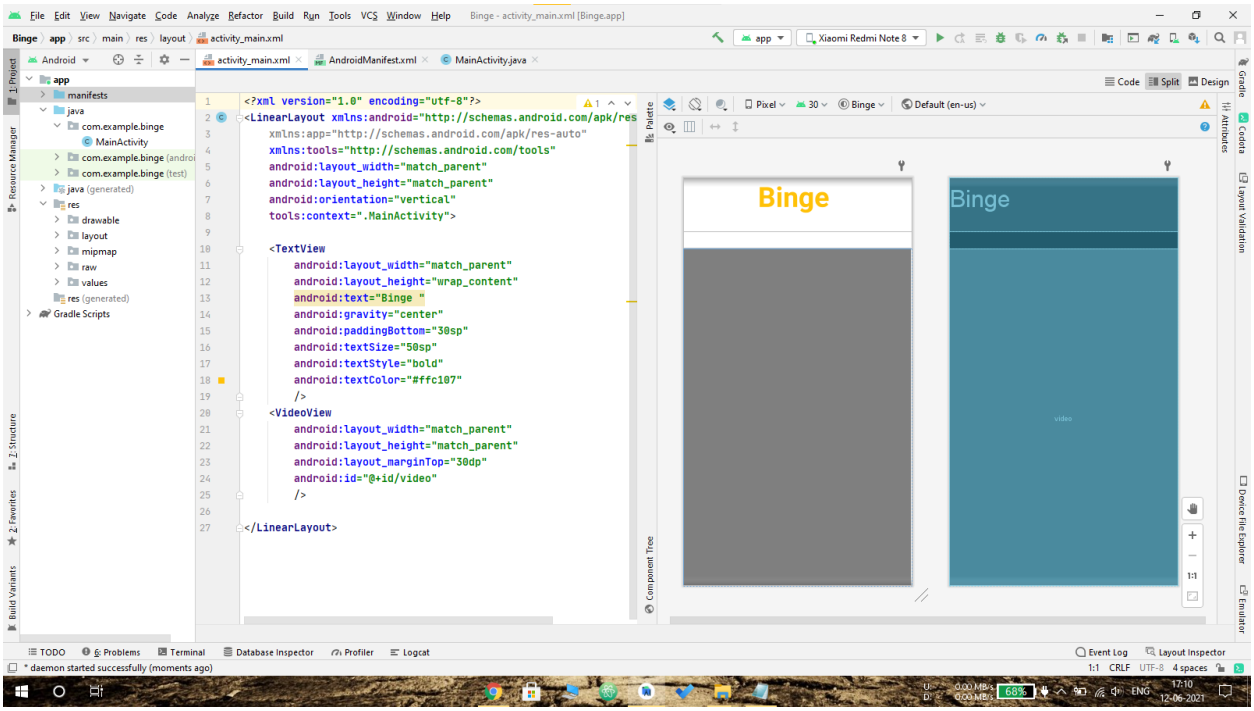
Code:

Main activity:

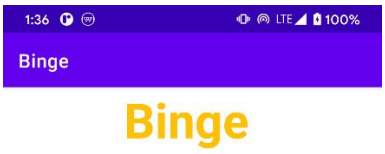


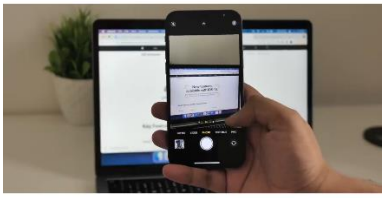
```
package com.example.binge;

import ...

public class MainActivity extends AppCompatActivity {

    VideoView videoView;

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

        videoView = findViewById(R.id.video);

        MediaController mediaController = new MediaController( context: MainActivity.this);

        mediaController.setAnchorView(videoView);

        Uri uri = Uri.parse("android.resource://" + getPackageName() + "/" + R.raw.video);
        videoView.setMediaController(mediaController);
        videoView.setVideoURI(uri);
        videoView.requestFocus();
        videoView.start();


        videoView.setOnCompletionListener(new MediaPlayer.OnCompletionListener() {
            @Override
            public void onCompletion(MediaPlayer mp) {
                Toast.makeText( context: MainActivity.this, text: "Thank You For Watching...", Toast.LENGTH_SHORT).show();
            }
        });

        videoView.setOnErrorListener(new MediaPlayer.OnErrorListener() {
            @Override
```

Activity_main.xml:



Output:





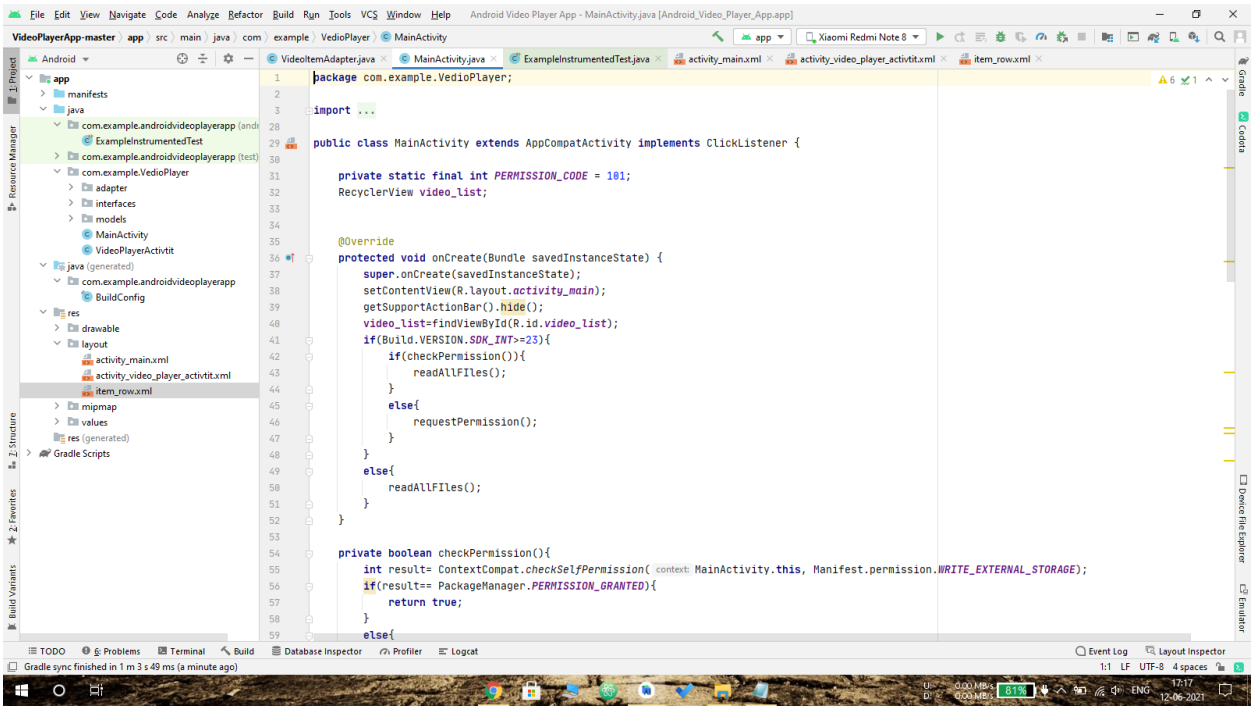
Project

Video Player app-master:

In this it List all .mp4 files from internal Storage and we can play video of our choice in Landscape Mode.

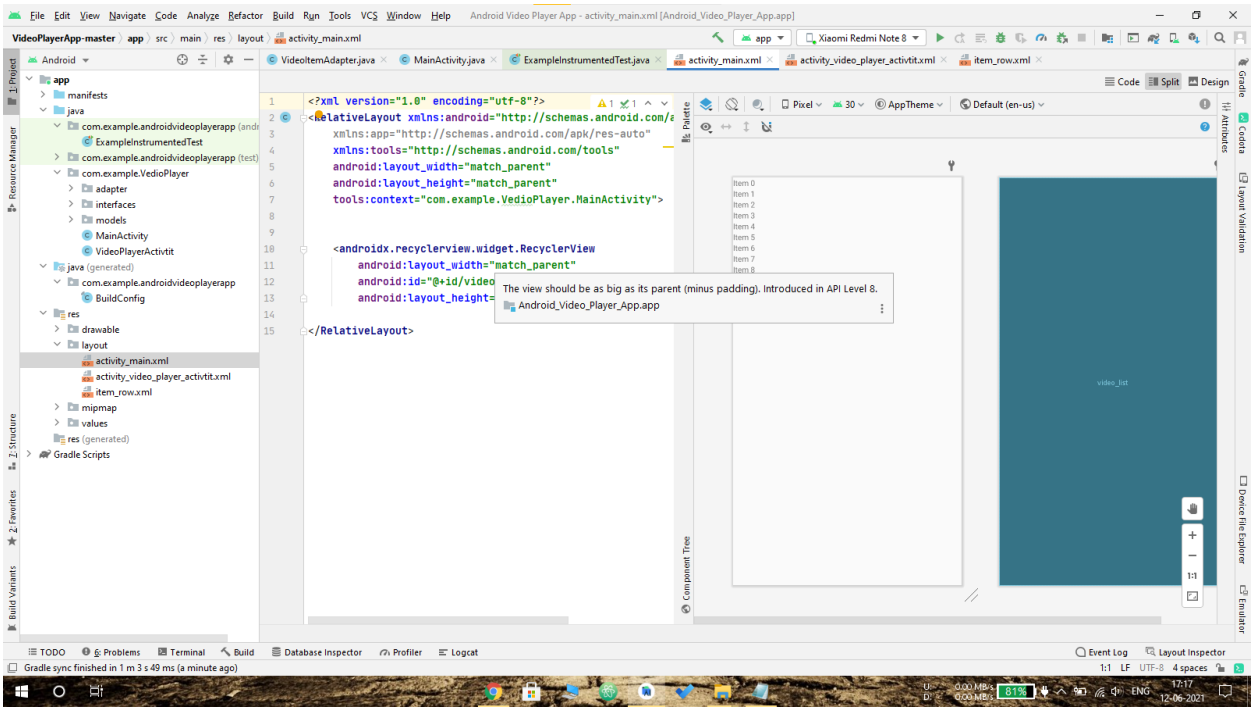
Code:

Main activity:

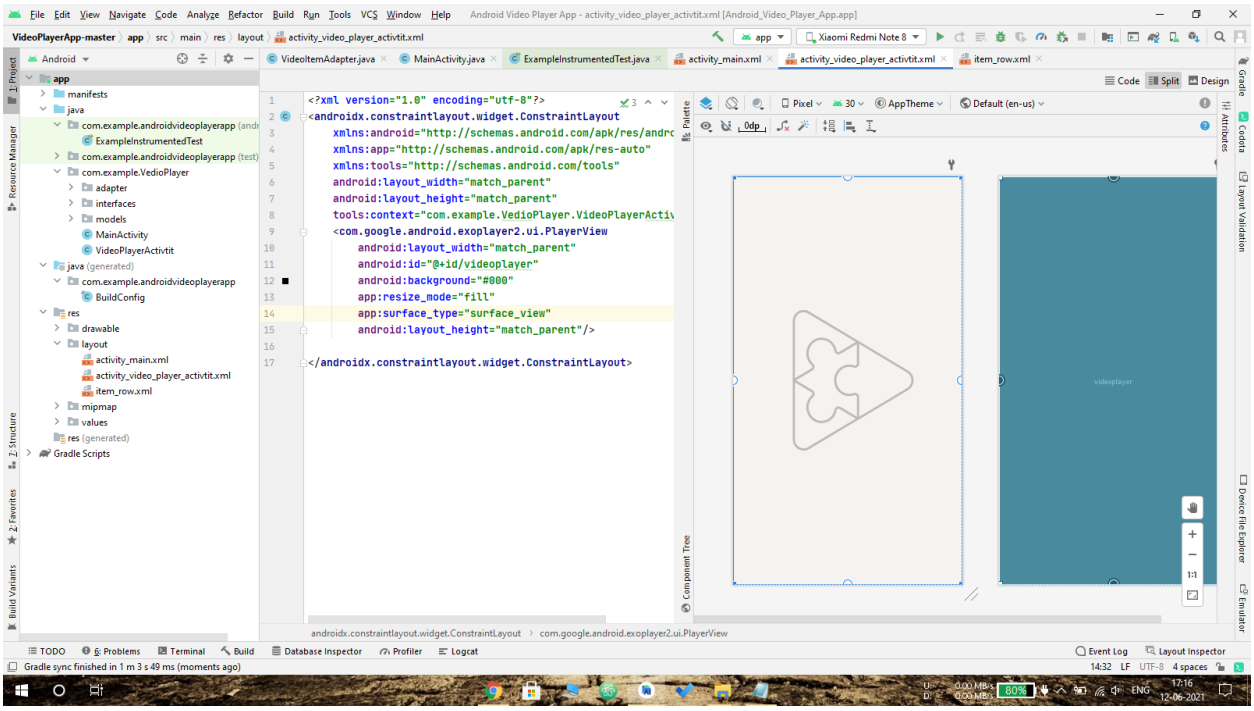


```
package com.example.VedioPlayer;

import ...

public class MainActivity extends AppCompatActivity implements ClickListener {

    private static final int PERMISSION_CODE = 101;
    RecyclerView video_list;


    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        getSupportActionBar().hide();
        video_list=findViewById(R.id.video_list);
        if(Build.VERSION.SDK_INT>=23){
            if(checkPermission()){
                readAllFIles();
            }
            else{
                requestPermission();
            }
        }
        else{
            readAllFIles();
        }
    }

    private boolean checkPermission(){
        int result= ContextCompat.checkSelfPermission( context: MainActivity.this, Manifest.permission.WRITE_EXTERNAL_STORAGE);
        if(result== PackageManager.PERMISSION_GRANTED){
            return true;
        }
        else{
```

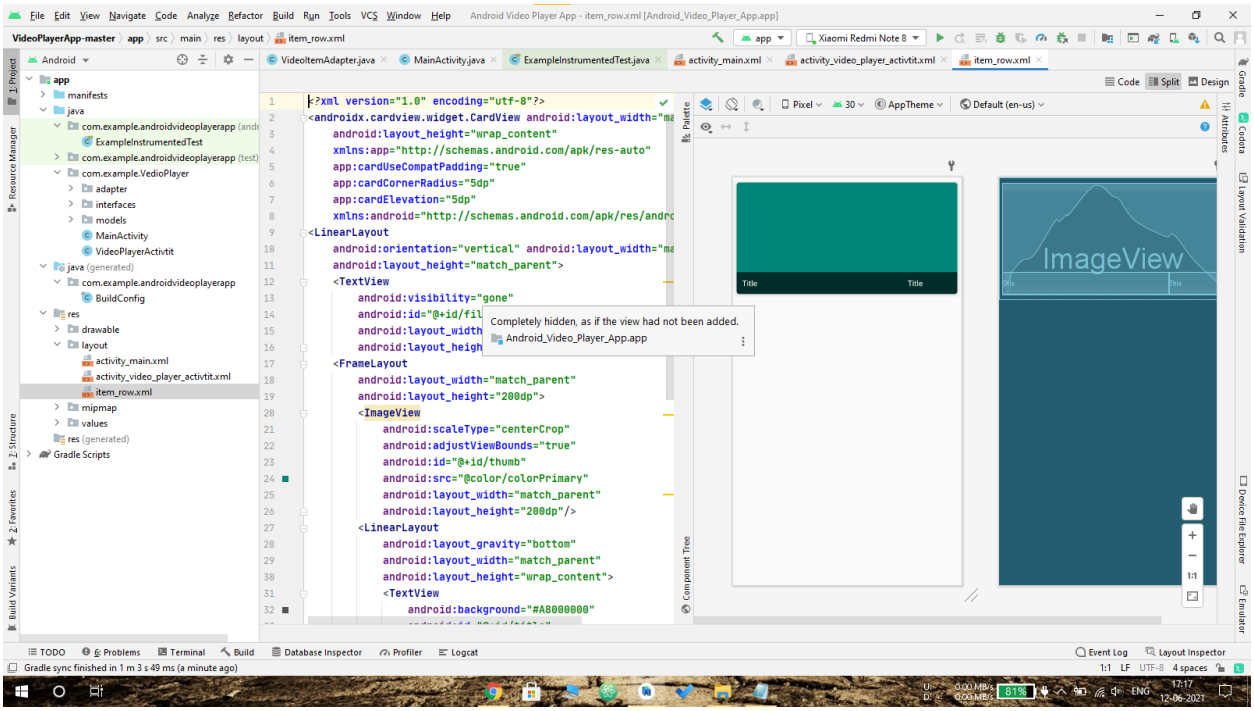
Activity_main.xml:



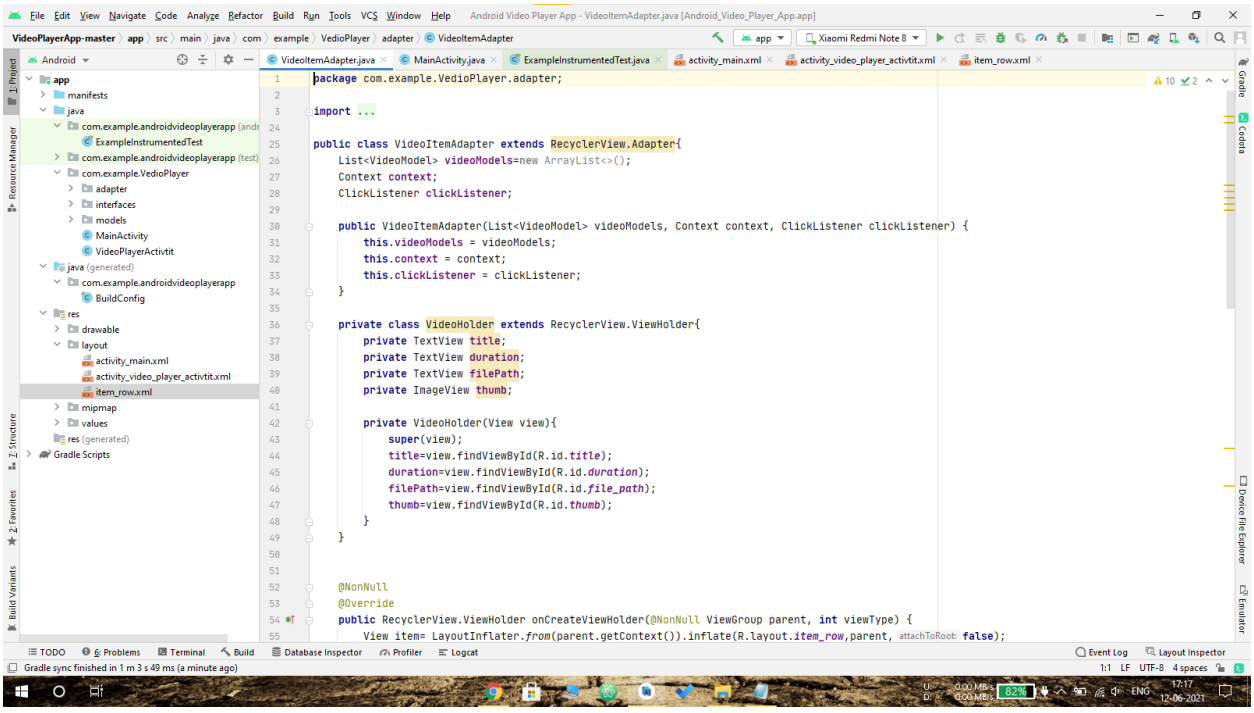
Activity_video_player_activeit.xml:



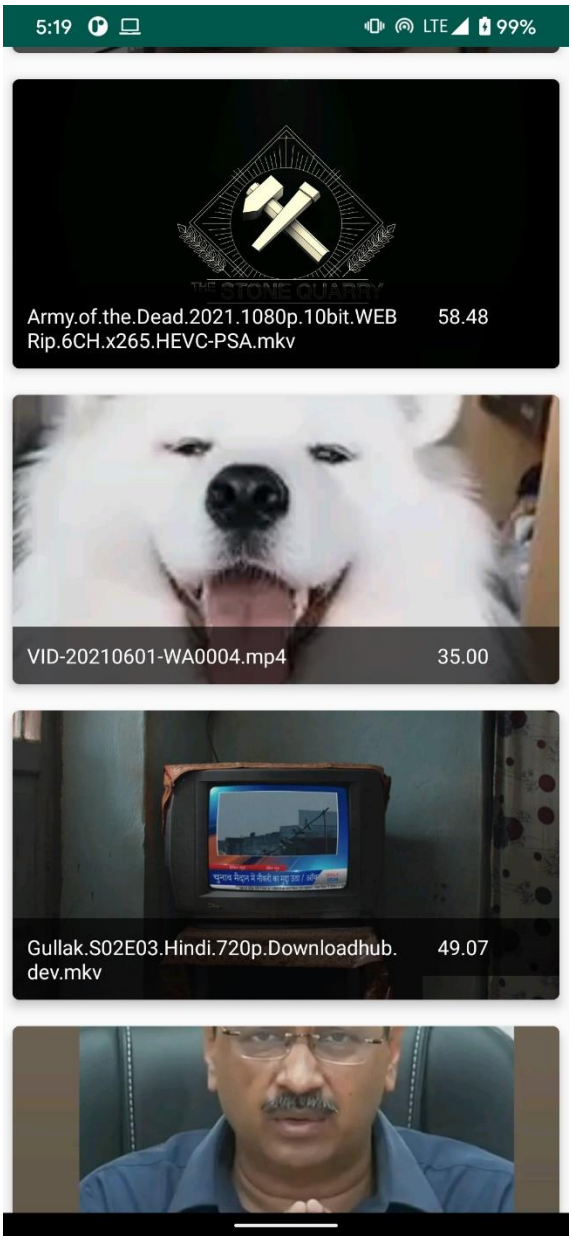
Item_row.xml:

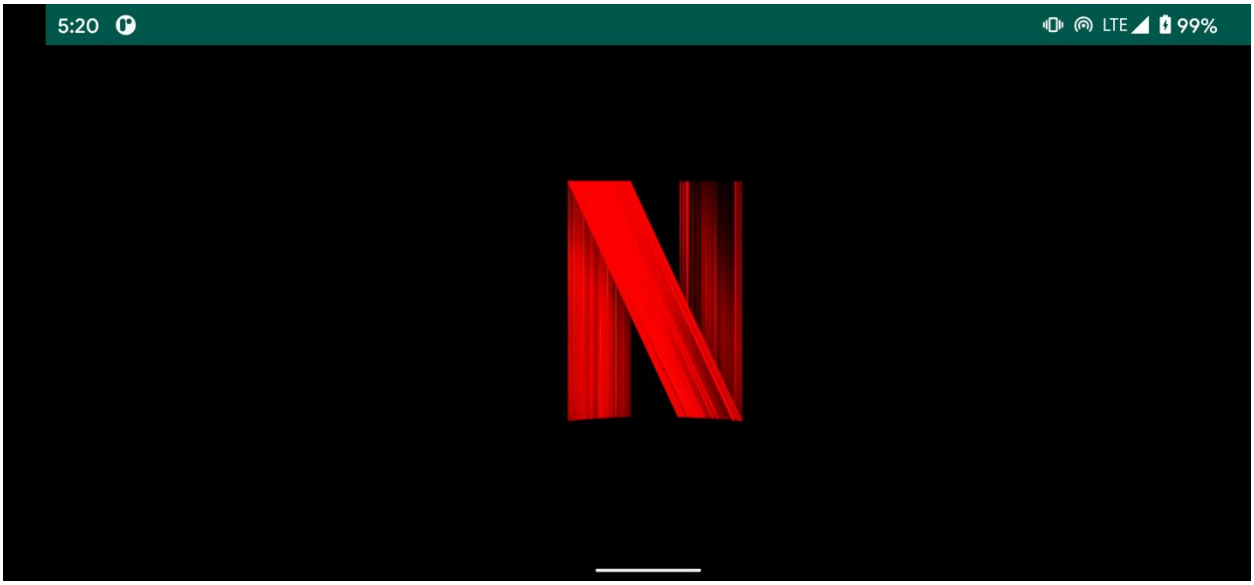


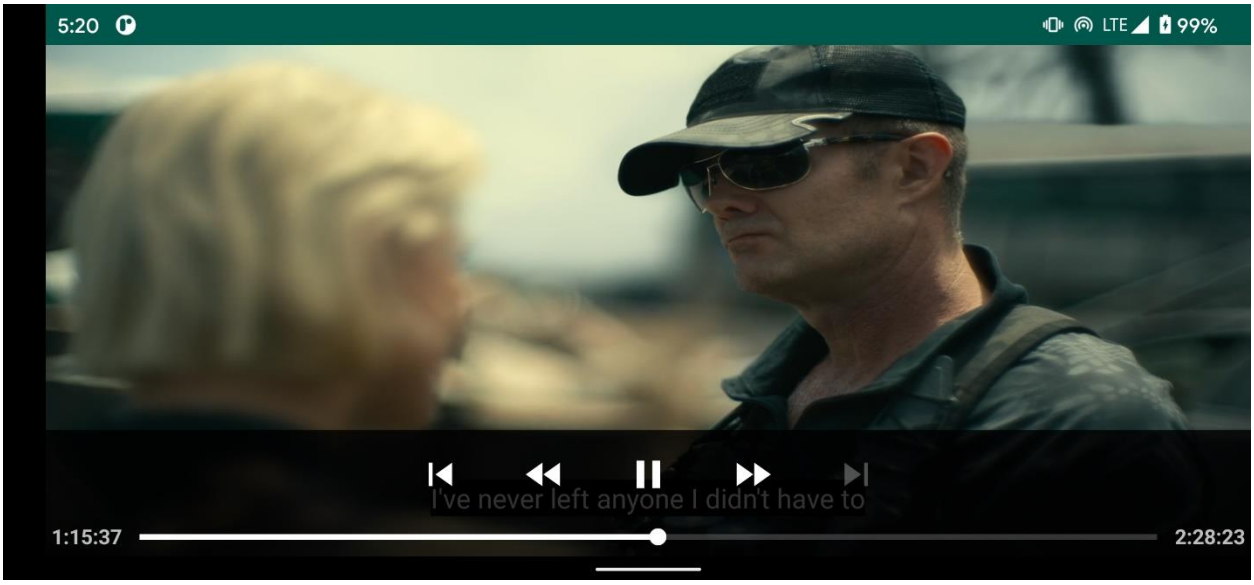
VideoItemAdapter.java:

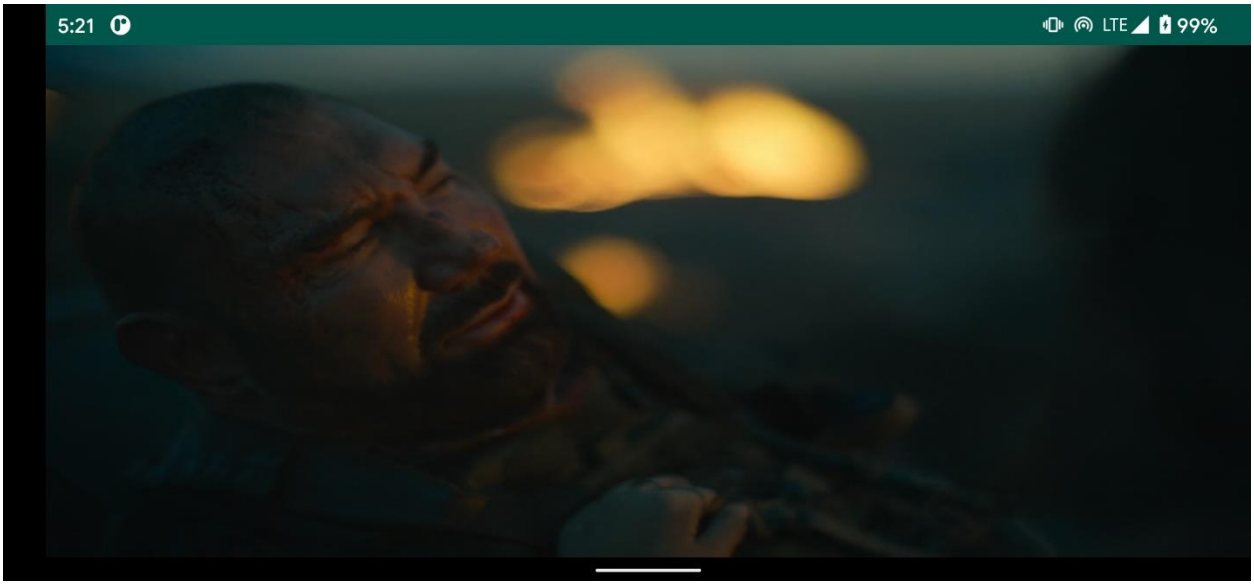


Output:


5:19
LTE
99%
Army.of.the.Dead.2021.1080p.10bit.WEB Rip.6CH.x265.HEVC-PSA.mkv
58.48
VID-20210601-WA0004.mp4
35.00
Gullak.S02E03.Hindi.720p.Downloadhub. dev.mkv
49.07


5:20
LTE
99%


5:20
LTE
99%
I've never left anyone I didn't have to
1:15:37
2:28:23


5:21
LTE
99%