ANDROID

Sec:4

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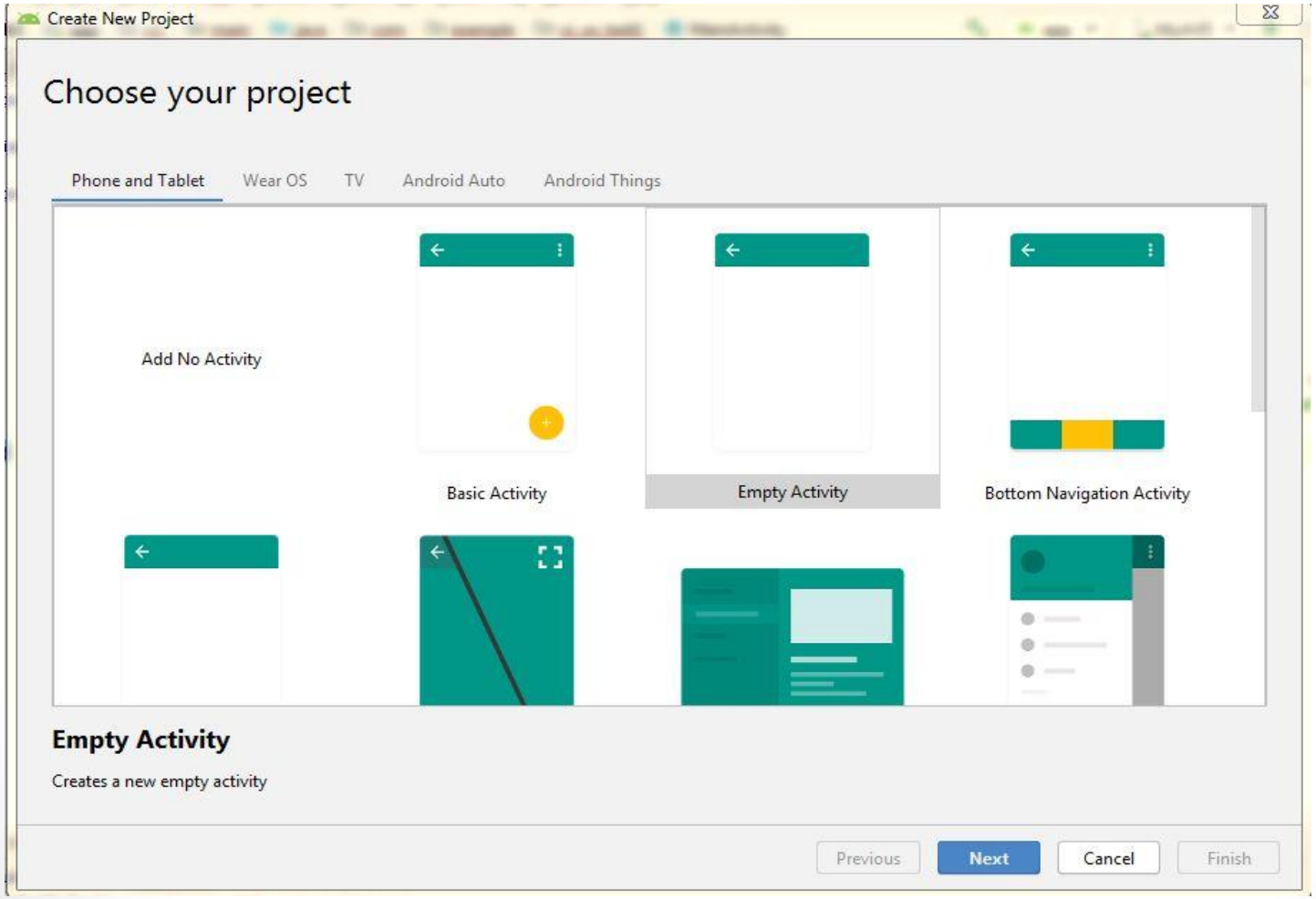
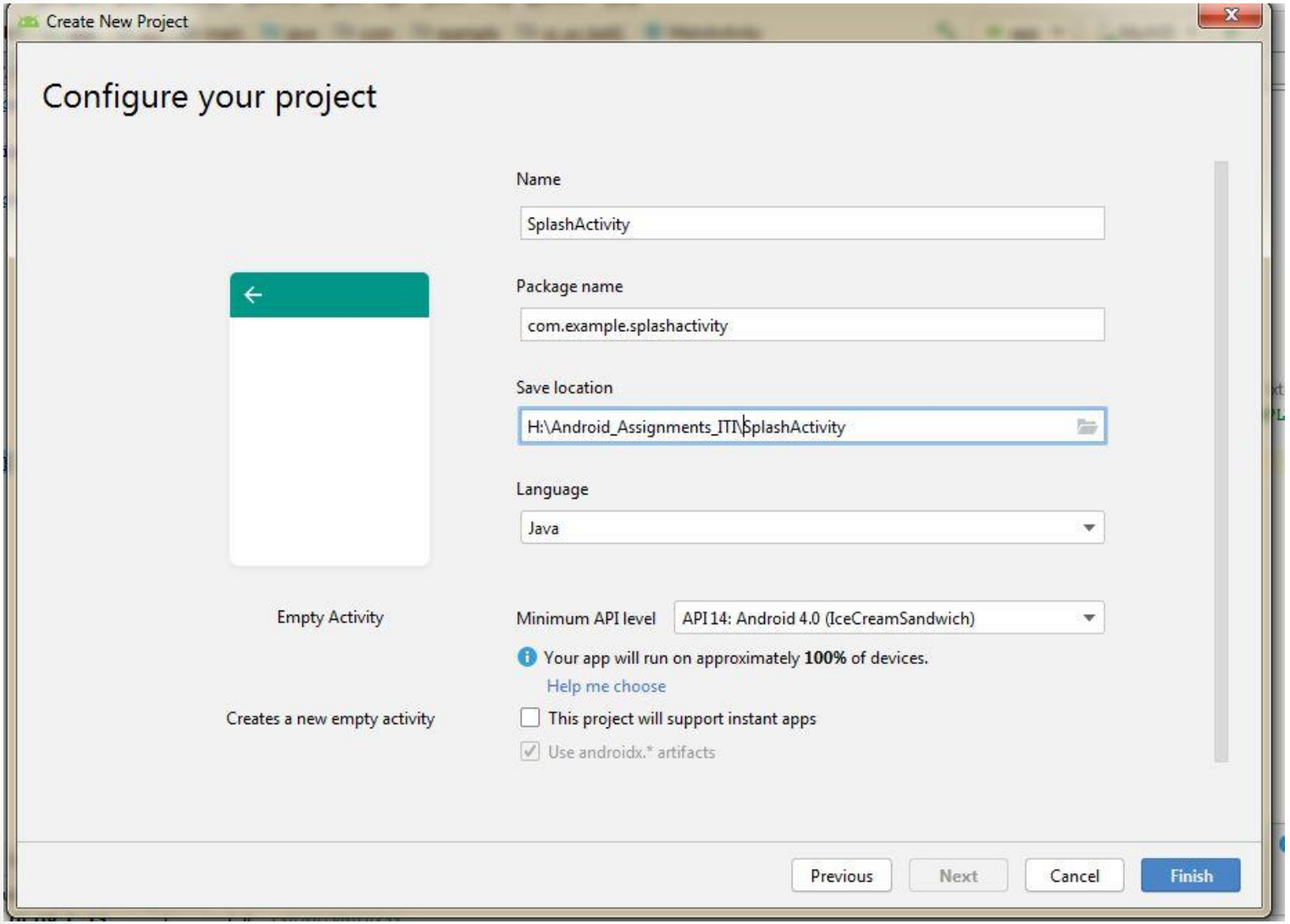
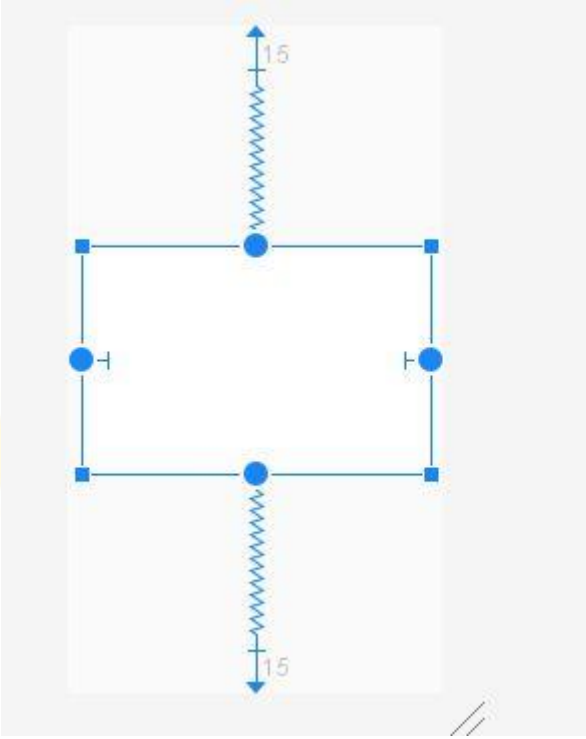
start → android studio → start new project




Create New Project
Configure your project
Name
SplashActivity
Package name
com.example.splashactivity
Save location
H:\Android_Assignments_ITI\SplashActivity
Language
Java
Empty Activity
Minimum API level
API 14: Android 4.0 (IceCreamSandwich)
Your app will run on approximately 100% of devices.
Help me choose
Creates a new empty activity
This project will support instant apps
Use androidx.* artifacts
Previous
Next
Cancel
Finish

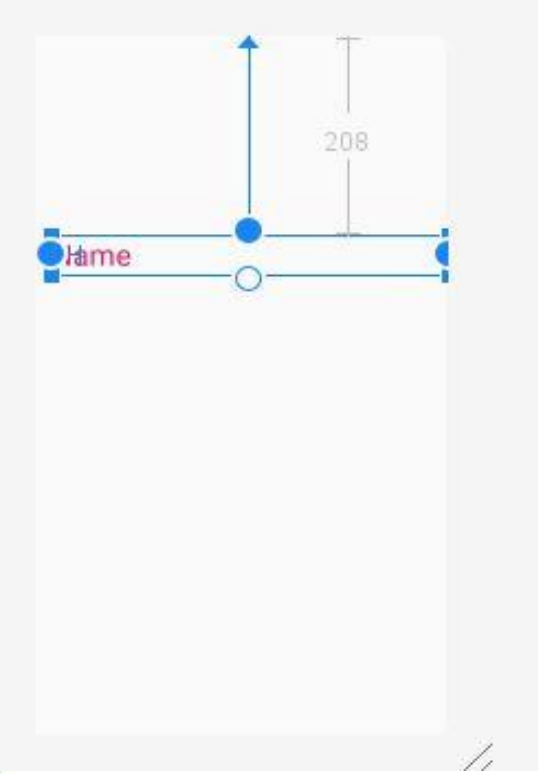
CardView

```
<androidx.cardview.widget.CardView
    android:layout_width="match_parent"
    android:layout_height="250dp"
    android:layout_marginStart="15dp"
    android:layout_marginTop="15dp"
    android:layout_marginEnd="15dp"
    android:layout_marginBottom="15dp"
    app:cardCornerRadius="15dp"
    android:elevation="10dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">
</androidx.cardview.widget.CardView>
```



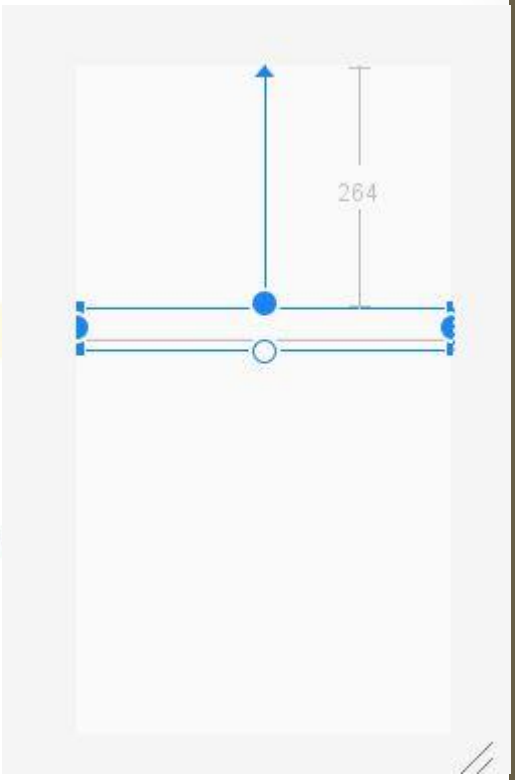
TextView

```
<TextView
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="208dp"
    android:text="@string/txtname"
    android:textColor="@color/colorAccent"
    android:textSize="30sp"
    android:layout_marginLeft="16dp"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```



EditText

```
<EditText
    android:id="@+id/name"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_marginTop="264dp"
    android:inputType="text"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="1.0"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent" />
```



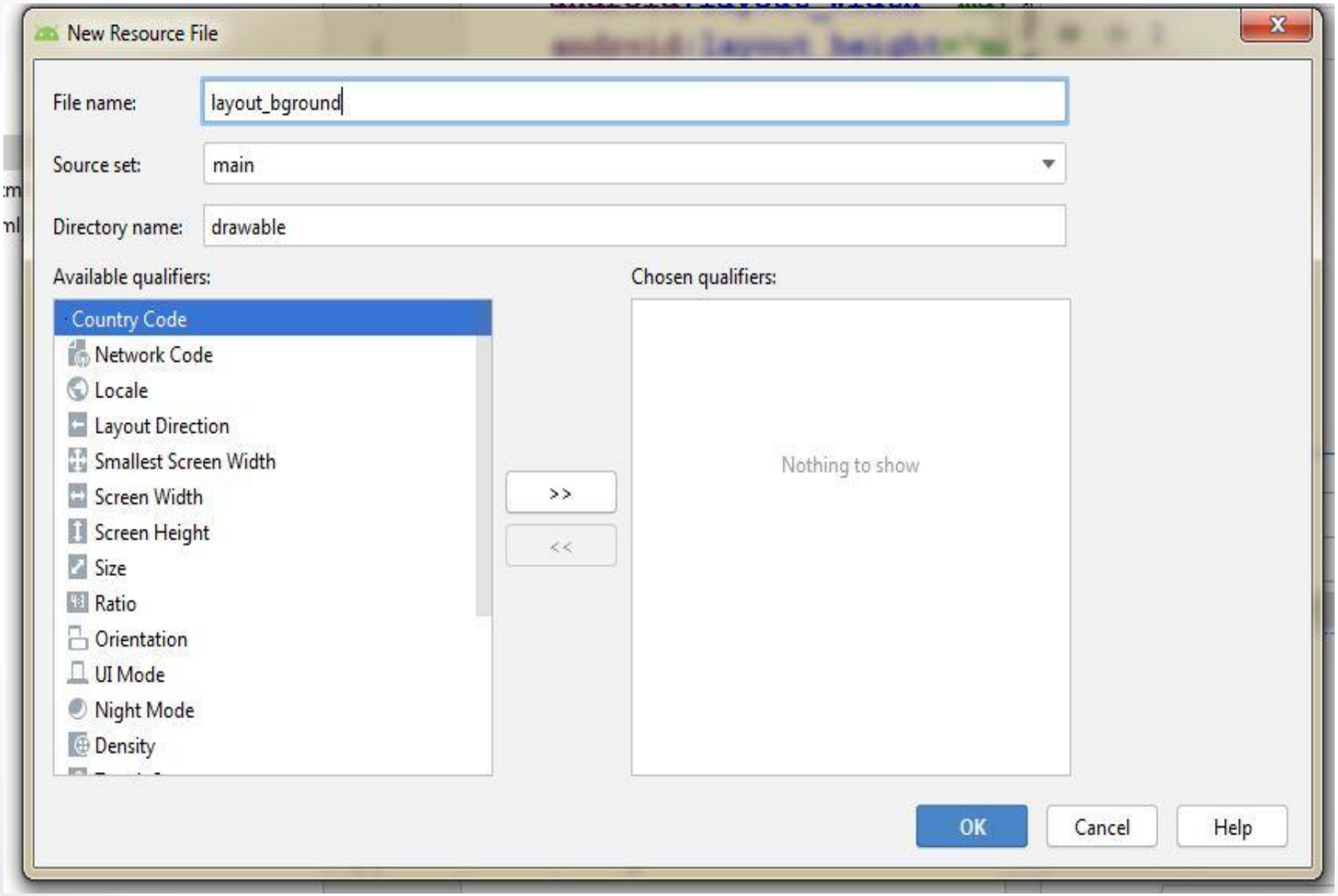

```
android:inputType="textEmailAddress"
```

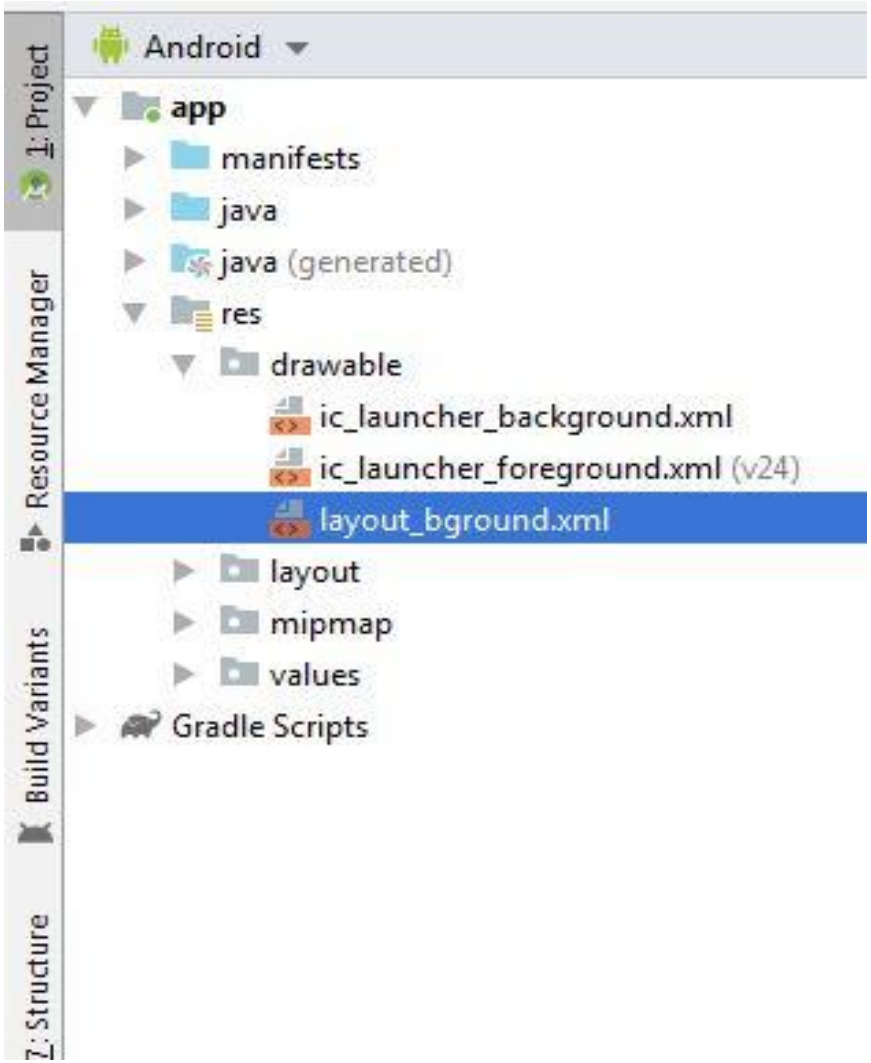
```
android:inputType="textPassword"
```

Button

```
<Button
    android:id="@+id/btnsub"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginTop="232dp"
    android:layout_weight="1"
    android:onClick="submitData"
    android:text="@string/btnsubmit"
    android:textSize="15dp"
    app:layout_constraintBottom_toBottomOf="parent"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintHorizontal_bias="0.498"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent"
    app:layout_constraintVertical_bias="0.241" />
```

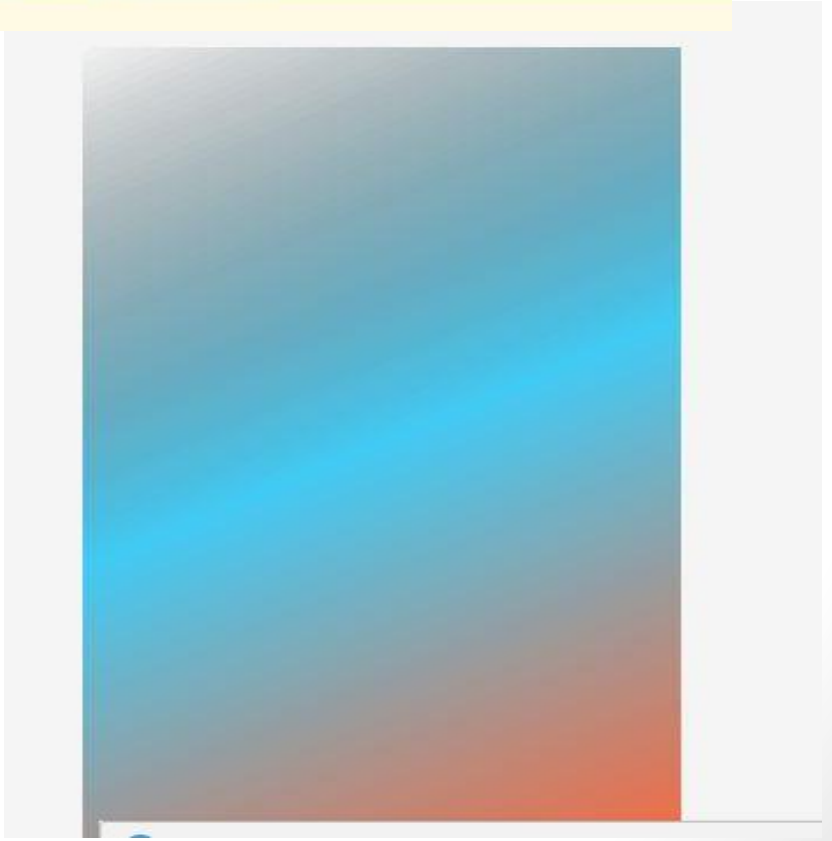
Change Background




1: Project
Resource Manager
Build Variants
Z: Structure
Android
app
manifests
java
java (generated)
res
drawable
ic_launcher_background.xml
ic_launcher_foreground.xml (v24)
layout_bground.xml
layout
mipmap
values
Gradle Scripts

```xml
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">
    <item>
        <shape xmlns:android="http://schemas.android.com/apk/res/android">
            <gradient
                android:startColor="#f46b42"
                android:centerColor="#41caf4"
                android:angle="135"/>

        </shape>
    </item>
</selector>
```

```
<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=".Main2Activity"
    android:background="@drawable/layout_bground">
```



string.xml

```xml
<resources>
    <string name="app_name">SplashActivity</string>
    <string name="txtname">Name</string>
    <string name="txtmail">E-Mail</string>
    <string name="txtpass">Pass</string>
    <string name="btnsubmit">Submit</string>
    <string name="btnrest">Reset</string>
    <string name="btnback">Back</string>
</resources>
```

Activity_main.xml

```
<?xml version="1.0" encoding="utf-8"?>
<androidx.constraintlayout.widget.ConstraintLayout xmlns:tools="http://schemas.android.com/tool
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    android:background="@drawable/layout_bground">

    <androidx.cardview.widget.CardView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginStart="15dp"
        android:layout_marginTop="15dp"
        android:layout_marginEnd="15dp"
        android:layout_marginBottom="15dp"
        app:cardCornerRadius="15dp"
        android:elevation="10dp"
        app:layout_constraintBottom_toBottomOf="parent"
        app:layout_constraintEnd_toEndOf="parent"
        app:layout_constraintStart_toStartOf="parent"
        app:layout_constraintTop_toTopOf="parent">
```

```
<TableLayout
    android:layout_width="match_parent"
    android:layout_height="wrap_content">

    <TableRow android:weightSum="3">
     <TextView
         android:layout_width="0dp"
         android:layout_height="wrap_content"
         android:text="@string/txtname"
         android:textColor="@color/colorAccent"
         android:textSize="30sp"
         android:layout_weight="1"/>
        <EditText
            android:id="@+id/name"
            android:layout_width="0dp"
            android:layout_height="wrap_content"
            android:inputType="text"
            android:layout_weight="2"/>
    </TableRow>
```

```
<TableRow android:weightSum="3">
    <TextView
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:text="@string/txtmail"
        android:textColor="@color/colorAccent"
        android:textSize="30sp"
        android:layout_weight="1"/>
    <EditText
        android:id="@+id/mail"
        android:layout_width="0dp"
        android:layout_height="wrap_content"

        android:inputType="textEmailAddress"

        android:layout_weight="2"/>
</TableRow>
```

```
<TableRow android:weightSum="3">
    <TextView
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:text="@string/txtpass"
        android:textColor="@color/colorAccent"
        android:textSize="30sp"
        android:layout_weight="1"/>
    <EditText
        android:id="@+id/pass"
        android:layout_width="0dp"
        android:layout_height="wrap_content"

        android:inputType="textPassword"

        android:layout_weight="2"/>
</TableRow>
```

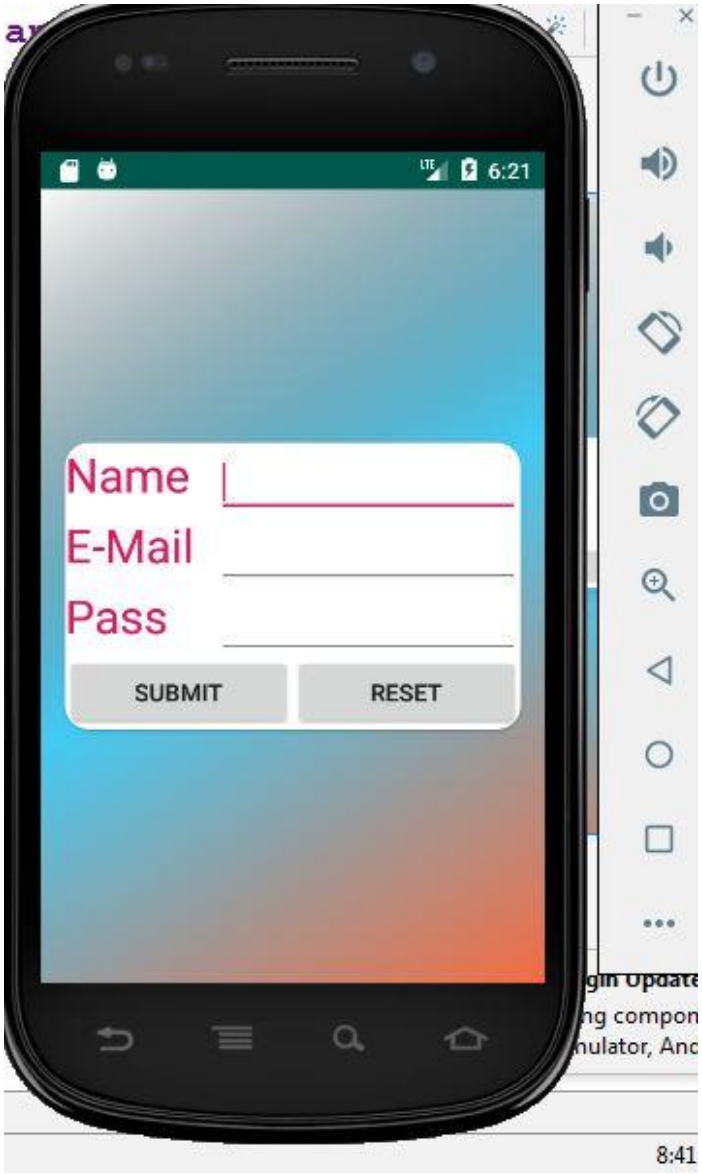
MainActivity.java

```
EditText txtname,txtmail,txtpass;
Button submit,reset;
String myname,mypass,mymail;
@Override
protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);

    txtname=findViewById(R.id.name);
    txtmail=findViewById(R.id.mail);
    txtpass=findViewById(R.id.pass);
    submit=findViewById(R.id.btnsub);
    reset=findViewById(R.id.btnrst);


}
```

Intent

```
public void submitData(View view) {
    myname=txtname.getText().toString();
    mymail=txtmail.getText().toString();
    mypass=txtpass.getText().toString();

    Intent myintent=new Intent( packageContext: MainActivity.this,Main2Activity.class);
    myintent.putExtra( name: "NAME",myname);
    myintent.putExtra( name: "MAIL",mymail);
    myintent.putExtra( name: "PASS",mypass);
    startActivity(myintent);

}
```

output



Activity2main.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=".Main2Activity"
    android:background="@drawable/layout_bground">

        <androidx.cardview.widget.CardView
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:layout_marginStart="15dp"
            android:layout_marginTop="15dp"
            android:layout_marginEnd="15dp"
            android:layout_marginBottom="15dp"
            app:cardCornerRadius="15dp"
            android:elevation="10dp"
            app:layout_constraintBottom_toBottomOf="parent"
            app:layout_constraintEnd_toEndOf="parent"
            app:layout_constraintStart_toStartOf="parent"
            app:layout_constraintTop_toTopOf="parent"
            android:background="@drawable/layout_bground">
```

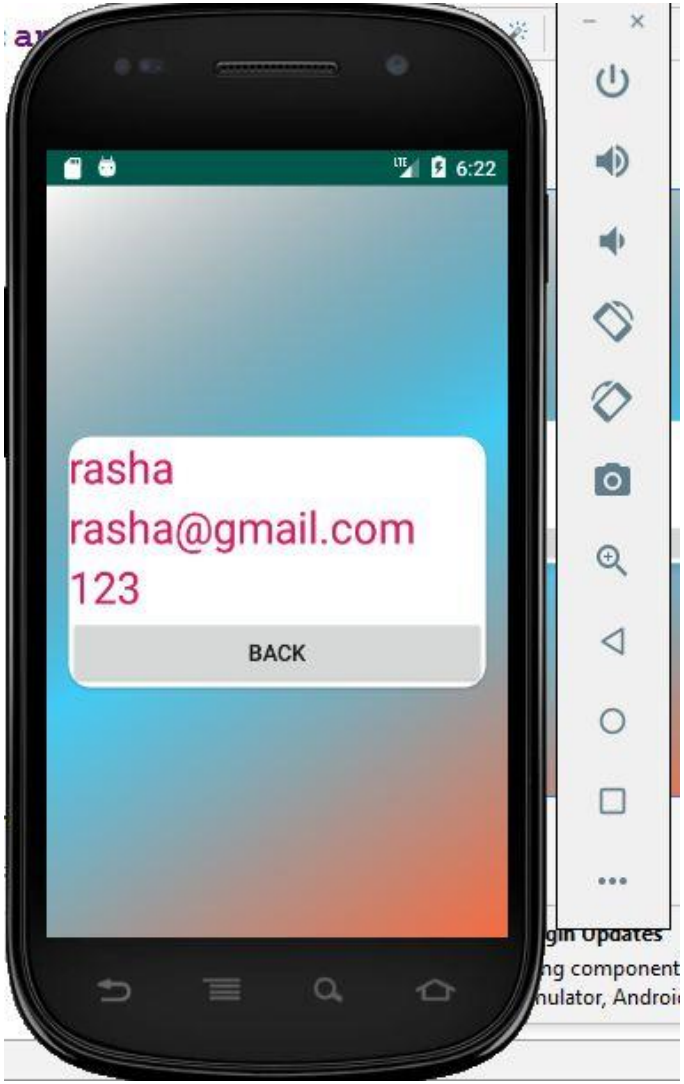
```
<LinearLayout
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
            android:id="@+id/txt_name"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/txtname"
            android:textColor="@color/colorAccent"
            android:textSize="30sp"/>
        <TextView
            android:id="@+id/txt_mail"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/txtmail"
            android:textColor="@color/colorAccent"
            android:textSize="30sp" />
        <TextView
            android:id="@+id/txt_pass"
            android:layout_width="match_parent"
            android:layout_height="wrap_content"
            android:text="@string/txtpass"
            android:textColor="@color/colorAccent"
            android:textSize="30sp" />
```

```
            <Button
                android:id="@+id/btnback"
                android:layout_width="match_parent"
                android:layout_height="wrap_content"
                android:text="@string/btnback"
                android:textSize="15dp"
                android:onClick="back" />

        </LinearLayout>
    </androidx.cardview.widget.CardView>


</androidx.constraintlayout.widget.ConstraintLayout>
```

Main2Activity.java

```
public class Main2Activity extends AppCompatActivity {
    TextView txtview_name,txtview_mail,txtview_pass;
    Button back;
    String st_name,st_pass,st_mail;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        txtview_name=findViewById(R.id.txt_name);
        txtview_mail=findViewById(R.id.txt_mail);
        txtview_pass=findViewById(R.id.txt_pass);
        back=findViewById(R.id.btnback);

        Bundle bundle=getIntent().getExtras();
        st_name= bundle.getString( key: "NAME");
        st_mail=bundle.getString( key: "MAIL");
        st_pass=bundle.getString( key: "PASS");

        txtview_name.setText(st_name);
        txtview_mail.setText(st_mail);
        txtview_pass.setText(st_pass);
    }
```

```
public void back(View view) {

    Intent intent=new Intent( packageContext: Main2Activity.this,MainActivity.class);
    startActivity(intent);

}
```


6:22
rasha
rasha@gmail.com
123
BACK