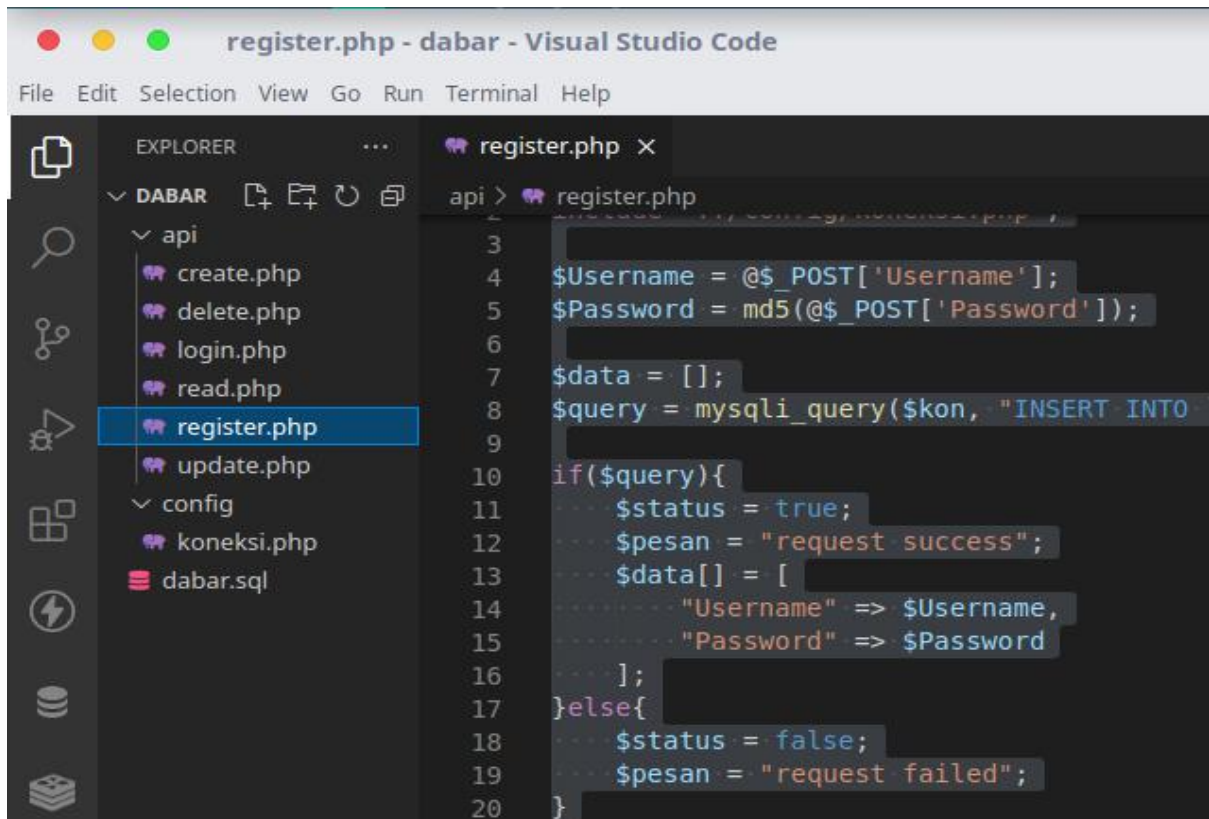


Pada materi pertemuan 16 ini akan membahas tentang splashscreen, login, register dan sharedpreference tetapi sebelum memulai pada android studio, langkah pertama yang akan dilakukan ada membuat sebuah file baru pada **API** di project **dabar** silahkan buat file **register.php** seperti gambar berikut :



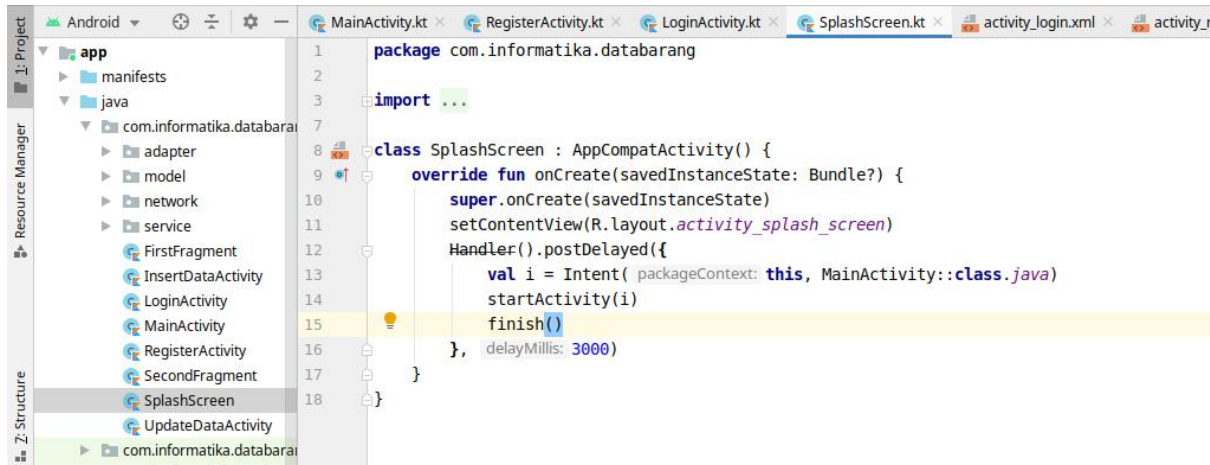
Untuk script silahkan lihat pada gambar berikut :



Setelah selesai, dan memastikan bahwa file **register.php** berjalan dengan baik pada **postman**, langkah selanjutnya adalah pindah ke android studio yang pertama yang akan di buat adalah script pada

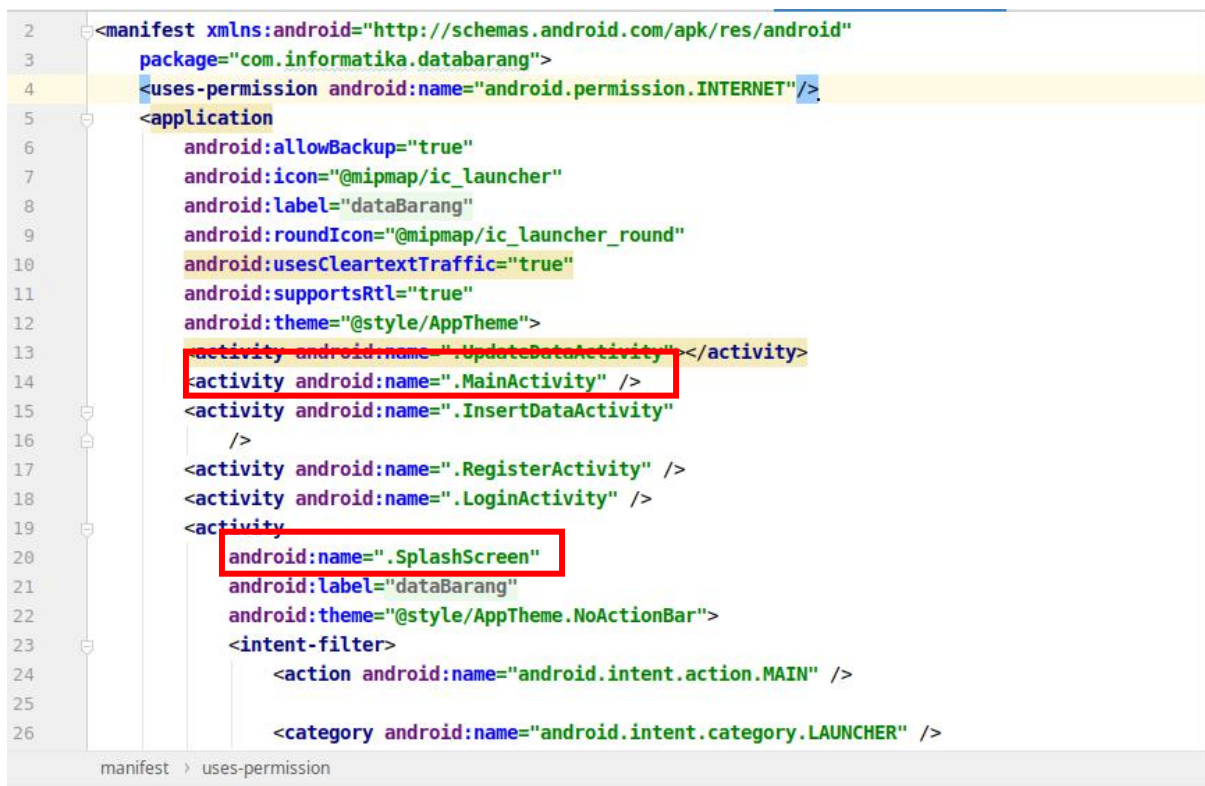
splashscreen.kt

silahkan buat scriptnya seperti gambar berikut:



Setelah selesai langkah selanjutnya silahkan masuk ke folder **manifest** lalu pilih file **AndroidManifest.xml**

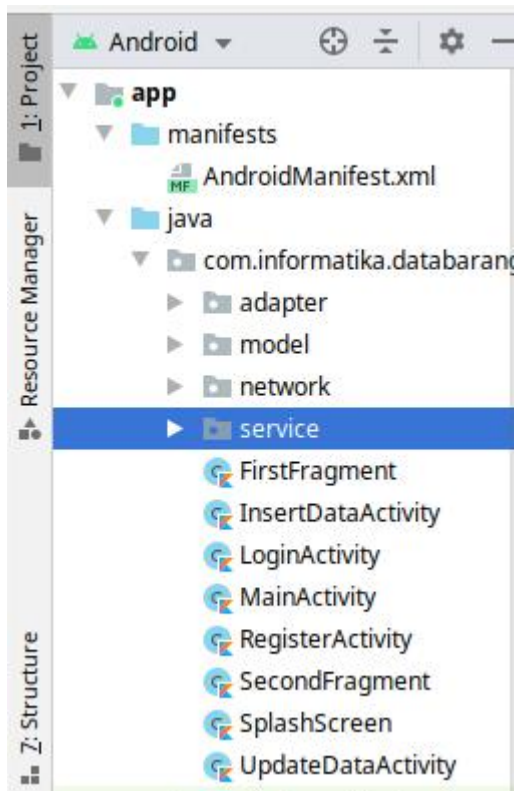
Lalu sesuaikan script yang ada didalam file dengan gambar berikut :



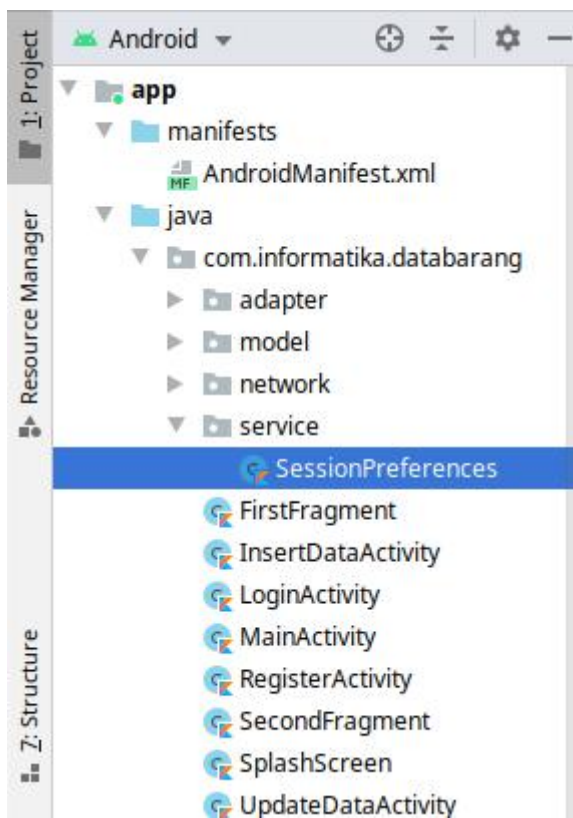
Setelah selesai silahkan di running dan lihat hasilnya

Shared Preferences

Silahkan buat **package** baru bernama **service** seperti gambar berikut :



Lalu buatlah file baru yang diberinama **SessionPreferences** seperti gambar berikut :



Setelah selesai buatlah script seperti gambar berikut :

```
MainActivity.kt x LoginActivity.kt x SplashScreen.kt x AndroidManifest.xml x SessionPreferences.kt x InsertDataActivi
1 package com.informatika.databarang.service
2
3 import android.app.Activity
4 import android.content.Context
5
6 class SessionPreferences(activity: Activity) {
7     private val KEY_LOGIN = "LOGIN"
8     private val KEY_USERNAME = "USERNAME"
9
10    val sessionLogin = activity.getSharedPreferences(KEY_LOGIN, Context.MODE_PRIVATE)
11
12    fun actionLogin(userName : String){
13        val edit = sessionLogin.edit()
14        edit.putString(KEY_USERNAME, userName)
15        edit.apply()
16    }
17    fun actionLogout(){
18        val edit = sessionLogin.edit()
19        edit.clear().apply()
20    }
21    fun getUserName(): String? {
22        return sessionLogin.getString(KEY_USERNAME, defValue: null)
23    }
24 }
```

Setelah selesai, sharedPreference selesai dibuat berikutnya yang akan di buat adalah pengecekan session pada **MainActivity.kt**, Silahkan masuk pada file **MainActivity.kt** lalu sesuaikan scriptnya seperti berikut :

```
MainActivity.kt x LoginActivity.kt x SplashScreen.kt x AndroidManifest.xml x SessionPreferences.kt x InsertDataActivi
30
31 private lateinit var sessionPreferences : SessionPreferences
32
33 override fun onCreate(savedInstanceState: Bundle?) {
34     super.onCreate(savedInstanceState)
35     setContentView(R.layout.activity_main)
36     sessionPreferences = SessionPreferences(this)
37     cekSession()
38     tv_username.text = sessionPreferences.getUserName()
39     //
40     //
41     findViewById<FloatingActionButton>(R.id.fab).setOnClickListener { view ->
42         val i = Intent(this, InsertDataActivity::class.java)
43         startActivity(i)
44     }
45     getData()
46
47 }
48 fun cekSession(){
49     sessionPreferences = SessionPreferences(this)
50     val userName = sessionPreferences.getUserName()
51     if(userName == null){
52         val i = Intent(this, LoginActivity::class.java)
53         startActivity(i)
54         finish()
55     }
56 }
```

Kotlin
A new version 1.4.21-release-Studio-
available. [Test it!](#)

RegisterActivity.kt

membuat script register silahkan perhatikan gambar berikut :

```
1 package com.informatika.databarang
2
3 import ...
16
17 class RegisterActivity : AppCompatActivity() {
18     private lateinit var sessionPreferences: SessionPreferences
19
20     override fun onCreate(savedInstanceState: Bundle?) {
21         super.onCreate(savedInstanceState)
22         window.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
23             WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS)
24         setContentView(R.layout.activity_register)
25         btn_submit.setOnClickListener { it: View!
26             val userName = et_username.text.toString()
27             val password = et_password.text.toString()
28             if(userName.isEmpty() || password.isEmpty()){
29                 Toast.makeText(context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
30             }else{
31                 actionData(userName, password)
32             }
33         }
34         btn_clean.setOnClickListener { it: View!
35             formClear()
36         }
37         tv_disini.setOnClickListener { it: View!
38             startActivity(Intent(packageContext: this, LoginActivity::class.java))
```

```
39         finish()
40     }
41 }
42 fun actionData(username : String, password : String){
43     koneksi.service.register(username, password).enqueue(object : Callback<ResponseAdmin> {
44         override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
45             Log.d(tag: "pesan1", t.localizedMessage)
46         }
47
48         override fun onResponse(call: Call<ResponseAdmin>, response: Response<ResponseAdmin>) {
49             if(response.isSuccessful){
50                 val resbody = response.body()
51                 val resStatus = resbody?.status
52                 val resUserName = resbody?.data?.get(0)?.username
53                 Log.d(tag: "pesan", resUserName.toString())
54                 if(resStatus == true){
55                     sessionPreferences = SessionPreferences(activity: this@RegisterActivity)
56                     sessionPreferences.actionLogin(resUserName.toString())
57                     val i = Intent(packageContext: this@RegisterActivity, MainActivity::class.java)
58                     startActivity(i)
59                     finish()
60                 }else if(resStatus == false){
61                     Toast.makeText(context: this@RegisterActivity,
62                         text: "Username atau Password Anda Salah!", Toast.LENGTH_LONG).show()
63                 }
64             }
65         }
66     })
67 }
```

```

65     }
66 })
67 }
68 fun formClear(){
69     et_username.text.clear()
70     et_password.text.clear()
71 }
72 }

```

Lakukan deklarasi seperti gambar berikut

```

17 class RegisterActivity : AppCompatActivity() {
18     private lateinit var sessionPreferences: SessionPreferences
19
20     override fun onCreate(savedInstanceState: Bundle?) {

```

Script onCreate

```

20     override fun onCreate(savedInstanceState: Bundle?) {
21         super.onCreate(savedInstanceState)
22         window.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
23             WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS)
24         setContentView(R.layout.activity_register)
25         btn_submit.setOnClickListener { it: View!
26             val userName = et_username.text.toString()
27             val password = et_password.text.toString()
28             if(userName.isEmpty() || password.isEmpty()){
29                 Toast.makeText(context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
30             }else{
31                 actionData(userName, password)
32             }
33         }
34         btn_clean.setOnClickListener { it: View!
35             formClear()
36         }
37         tv_disini.setOnClickListener { it: View!
38             startActivity(Intent(packageContext: this, LoginActivity::class.java))
39             finish()
40         }
41     }

```

Script `actionData`

```
42 fun actionData(username : String, password : String){
43     koneksi.service.register(username, password).enqueue(object : Callback<ResponseAdmin> {
44         override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
45             Log.d( tag: "pesan1", t.localizedMessage)
46         }
47
48         override fun onResponse(call: Call<ResponseAdmin>, response: Response<ResponseAdmin>) {
49             if(response.isSuccessful){
50                 val resbody = response.body()
51                 val resStatus = resbody?.status
52                 val resUserName = resbody?.data?.get(0)?.username
53                 Log.d( tag: "pesan", resUserName.toString())
54                 if(resStatus == true){
55                     sessionPreferences = SessionPreferences( activity: this@RegisterActivity)
56                     sessionPreferences.actionLogin(resUserName.toString())
57                     val i = Intent( packageContext: this@RegisterActivity, MainActivity::class.java)
58                     startActivity(i)
59                     finish()
60                 }else if(resStatus == false){
61                     Toast.makeText( context: this@RegisterActivity,
62                         text: "Username atau Password Anda Salah!", Toast.LENGTH_LONG).show()
63                 }
64             }
65         }
66     })
67 }
```

Script `formClear`

```
68 fun formClear(){
69     et_username.text.clear()
70     et_password.text.clear()
71 }
```

Jika sudah selesai langkah selanjutnya membuat **login**

`loginActivity.kt`

membuat script login silahkan perhatikan gambar berikut :

```

1  package com.informatika.databarang
2
3  import ...
19
20  class LoginActivity : AppCompatActivity() {
21      private lateinit var sessionPreferences: SessionPreferences
22
23      override fun onCreate(savedInstanceState: Bundle?) {
24          super.onCreate(savedInstanceState)
25          window.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
26              WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS)
27          setContentView(R.layout.activity_login)
28          btn_submit.setOnClickListener { it: View!
29              val userName = et_username.text.toString()
30              val password = et_password.text.toString()
31
32              if(userName.isEmpty() || password.isEmpty()){
33                  Toast.makeText(context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
34              }else{
35                  actionData(userName, password)
36              }
37          }
38          btn_clean.setOnClickListener { it: View!
39              formClear()
40          }
41          tv_disini.setOnClickListener { it: View!

```

Lakukan deklarasi seperti gambar berikut

```

20  class LoginActivity : AppCompatActivity() {
21      private lateinit var sessionPreferences: SessionPreferences
22
23      override fun onCreate(savedInstanceState: Bundle?) {

```


Script onCreate

```
23 override fun onCreate(savedInstanceState: Bundle?) {
24     super.onCreate(savedInstanceState)
25     window.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
26         WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS)
27     setContentView(R.layout.activity_login)
28     btn_submit.setOnClickListener { it: View!
29         val userName = et_username.text.toString()
30         val password = et_password.text.toString()
31
32         if(userName.isEmpty() || password.isEmpty()){
33             Toast.makeText( context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
34         }else{
35             actionData(userName, password)
36         }
37     }
38     btn_clean.setOnClickListener { it: View!
39         formClear()
40     }
41     tv_disini.setOnClickListener { it: View!
42         startActivity(Intent( packageContext: this, RegisterActivity::class.java))
43     }
44 }
45 }
```

Script actionData

```
46 fun actionData(username : String, password : String){
47     koneksi.service.logIn(username, password).enqueue(object : Callback<ResponseAdmin>{
48         override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
49             Log.d( tag: "pesan1", t.localizedMessage)
50         }
51
52         override fun onResponse(call: Call<ResponseAdmin>, response: Response<ResponseAdmin>) {
53             if(response.isSuccessful){
54                 val resbody = response.body()
55                 val resStatus = resbody?.status
56                 val resUserName = resbody?.data?.get(0)?.username
57                 Log.d( tag: "pesan", resUserName.toString())
58                 if(resStatus == true){
59                     sessionPreferences = SessionPreferences( activity: this@LoginActivity)
60                     sessionPreferences.actionLogin(resUserName.toString())
61                     val i = Intent( packageContext: this@LoginActivity, MainActivity::class.java)
62                     startActivity(i)
63                     finish()
64                 }else if(resStatus == false){
65                     Toast.makeText( context: this@LoginActivity, text: "Username atau Password Anda Salah!", Toast
66                         .LENGTH_LONG).show()
67                 }
68             }
69         }
70     })
71 }
```

Script formClear

```
71 fun formClear(){
72     et_username.text.clear()
73     et_password.text.clear()
74 }
```

Setelah selesai semuanya silahkan di running

Activity_main.xml

Tambahkan script berikut pada baris ke 14 di editor :

```
14 <LinearLayout
15     android:gravity="center"
16     android:layout_width="match_parent"
17     android:layout_height="wrap_content"
18     android:orientation="horizontal">
19     <TextView
20         android:id="@+id/tv_username"
21         android:layout_margin="15dp"
22         android:textColor="#FFF"
23         android:textStyle="bold"
24         android:layout_width="wrap_content"
25         android:layout_height="wrap_content"
26         android:text="Username"/>
27     <TextView
28         android:id="@+id/tv_logout"
29         android:layout_margin="15dp"
30         android:textColor="#FFF"
31         android:textStyle="bold"
32         android:layout_width="wrap_content"
33         android:layout_height="wrap_content"
34         android:text="Logout"/>
35 </LinearLayout>
```

Colors.xml

Silahkan masuk pada file colors.xml yang ada pada folder **res > values > colors.xml** sesuaikan dengan gambar berikut :

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <resources>
3     <color name="colorPrimary">#6200EE</color>
4     <color name="colorPrimaryDark">#0282F8</color>
5     <color name="colorAccent">#03DAC5</color>
6     <color name="white">#FFFFFF</color>
7 </resources>
```

styles.xml

Silahkan masuk pada file styles.xml yang ada pada folder **res > values > styles.xml** sesuaikan dengan gambar berikut :

```
1 <resources>
2     <!-- Base application theme. -->
3     <style name="AppTheme" parent="Theme.AppCompat.Light.NoActionBar">
4         <!-- Customize your theme here. -->
5         <item name="colorPrimary">@color/colorPrimary</item>
6         <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
7         <item name="colorAccent">@color/colorAccent</item>
8     </style>
9
10
11     <style name="AppTheme.NoActionBar">
12         <item name="windowActionBar">false</item>
13         <item name="windowNoTitle">true</item>
14     </style>
15
16     <style name="AppTheme.AppBarOverlay" parent="ThemeOverlay.AppCompat.Dark.ActionBar" />
17
18     <style name="AppTheme.PopupOverlay" parent="ThemeOverlay.AppCompat.Light" />
19
20 </resources>
```