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 ganbar berikut:

```
register.php - dabar - Visual Studio Code
File Edit Selection View Go Run Terminal Help
        EXPLORER
                             m register.php X
ďЪ
               中の甘む

✓ DABAR

                              api > 🖛 register.php
        ∨ api
        m create.php
                                     $Username = @$ POST['Username'];
                                     $Password = md5(@$ POST['Password']);
        e delete.php
        🖛 login.php
                                     $data = [];
        m read.php
                                     $query = mysqli query($kon, "INSERT INTO
        m register.php
        m update.php
                                     if($query){

∨ config

出
                               11
                                         $status = true;
                                         $pesan = "request success";
        m koneksi.php
                                         $data[] = [
                               13
       dabar.sql
(\mathbf{f})
                                              "Username" => $Username,
                                              "Password" => $Password
                                         1:
                                     }else{
                                         $status = false;
                                         $pesan = "request failed";
                               20
```

Untuk script silahkan lihat pada gambar berikut :

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

#### splashscreen.kt

silahkan buat scriptnya seperti gambar berikut:

```
🕃 😤 🗢 — 🥷 MainActivity.kt 🗴 🥷 RegisterActivity.kt 🗴 🍖 LoginActivity.kt 🗴 🍖 SplashScreen.kt 🗴 🍰 activity_login.xml 🗡 🍰 activity_r
          v 📭 app
                                                                                                                                                 package com.informatika.databarang
                manifests
                ▼ 📄 java
                                                                                                                                                import ...
                          ▼ 🛅 com.informatika.databarai
                                 adapter
                                                                                                                       8 👼 🖯 class SplashScreen : AppCompatActivity() {
                                                                                                                       9 01
                                                                                                                                                              override fun onCreate(savedInstanceState: Bundle?) {
                                 ▶ D model
                                  ▶ Image | network
                                                                                                                    10
                                                                                                                                                                               super.onCreate(savedInstanceState)
                                  ▶ 🛅 service
                                                                                                                                                                                setContentView(R.layout.activity_splash_screen)
                                                                                                                                                                               Handler().postDelayed({
A
                                          FirstFragment
                                           InsertDataActivity
                                                                                                                                                                                             val i = Intent( packageContext: this, MainActivity::class.java)
                                                                                                                     14
                                                                                                                                                                                                startActivity(i)
                                           C LoginActivity
                                                                                                                                                                                     finish()
                                                                                                                     15
                                            @ MainActivity
                                           RegisterActivity
                                                                                                                     16
                                                                                                                                                                               }, delayMillis: 3000)
                                            @ SecondFragment
                                                                                                                                               1
                                                                                                                18
                                            SplashScreen
                                            Capital Control of the Control of
                                  com.informatika.databarai
```

Setelah selesai langkah selanjutnya silahkan masuk ke folder manifast lalu pilih file AndroidManifast.xml

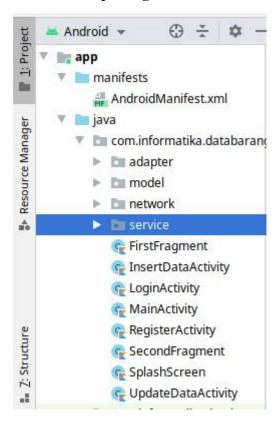
Lalu sesuaikan script yang ada didalam file dengan gambar berikut :

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
3
           package="com.informatika.databarang">
 4
            <uses-permission android:name="android.permission.INTERNET"/>
5
           <application
               android:allowBackup="true"
 6
               android:icon="@mipmap/ic launcher"
 7
               android: label="dataBarang"
8
9
               android:roundIcon="@mipmap/ic launcher round"
10
                android:usesCleartextTraffic="true"
                android:supportsRtl="true"
11
               android: theme="@style/AppTheme">
                   tivity am
13
                                                              </activity>
                <activity android:name=".MainActivity" />
14
                <activity android:name=".InsertDataActivity"
15
16
                <activity android:name=".RegisterActivity" />
                <activity android:name=".LoginActivity" />
18
                <activity
19
                    android:name=".SplashScreen"
20
                    android: label="dataBarang"
21
                    android: theme="@style/AppTheme.NoActionBar">
                    <intent-filter>
23
24
                        <action android:name="android.intent.action.MAIN" />
25
                        <category android:name="android.intent.category.LAUNCHER" />
26
        manifest ) uses-permission
```

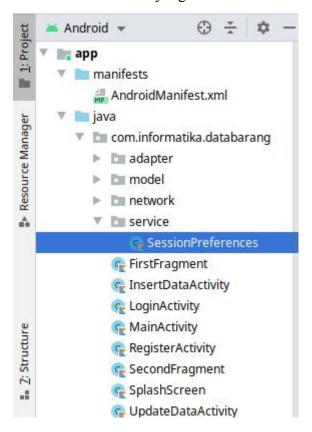
Setelah selesai silahkan di running dan lihat hasilnya

#### **SheredPreferences**

Silahlan 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 🗶 😭 LoginActivity.kt 🗴 🥷 SplashScreen.kt 🗴 🚆 AndroidManifest.xml 🗡 😭 SessionPreferences.kt 🔻 🥷 InsertDataActivi
 1
       package com.informatika.databarang.service
 2
 3
        import android.app.Activity
 4
       import android.content.Context
 5
 6
       class SessionPreferences(activity: Activity) {
            private val KEY_LOGIN = "LOGIN"
            private val KEY_USERNAME = "USERNAME"
 8
9
            val sessionLogin = activity.getSharedPreferences(KEY_LOGIN, Context.MODE_PRIVATE)
10
11
            fun actionLogin(userName : String){
                val edit = sessionLogin.edit()
13
                edit.putString(KEY_USERNAME, userName)
14
15
                edit.apply()
16
            }
17
            fun actionLogout(){
                val edit = sessionLogin.edit()
18
                edit.clear().apply()
19
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 🗶 🎧 LoginActivity.kt 🗴 🥷 SplashScreen.kt 🗴 🚆 AndroidManifest.xml 🗶 🕞 SessionPreferences.kt 🔻 🥷 InsertDataActivi
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
                tv_username.text = sessionPreferences.getUserName()
38
39
        11
                  setSupportActionBar(findViewById(R.id.toolbar))
40
        11
                findViewById<FloatingActionButton>(R.id.fab).setOnClickListener { view ->
41
                     val i = Intent(this, InsertDataActivity::class.java)
42
                     startActivity(i)
43
44
                getData()
45
46
47
            fun cekSession(){
48
                sessionPreferences = SessionPreferences(this)
49
                 val userName = sessionPreferences.getUserName()
51
                if(userName == null){
                     val i = Intent(this, LoginActivity::class.java)
                     startActivity(i)
54
                     finish()
                                                                                       A new version 1.4.21-release-Studio
56
```

#### Register Activity.kt

membuat script register silahkan perhatikan gambar berikut:

```
📭 MainActivity.kt × 📭 RegisterActivity.kt × 📭 LoginActivity.kt × 🥷 SplashScreen.kt × 🏭 AndroidManifest.xml × 🕵 SessionPreferences.kt × 😭 Insi
       package com.informatika.databarang
       import ...
3
16
17
       class RegisterActivity : AppCompatActivity() {
18
           private lateinit var sessionPreferences: SessionPreferences
19
           override fun onCreate(savedInstanceState: Bundle?) {
20 et
               super.onCreate(savedInstanceState)
               window.setFlags(WindowManager.LayoutParams.FLAG LAYOUT NO LIMITS,
                   WindowManager.LayoutParams.FLAG LAYOUT NO LIMITS)
24
               setContentView(R.layout.activity register)
               btn_submit.setOnClickListener { it: View!
26
                   val userName = et username.text.toString()
27
                    val password = et_password.<u>text</u>.toString()
28
                   if(userName.isEmpty() || password.isEmpty()){
                        Toast.makeText( context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
                   }else{
31
                       actionData(userName, password)
32
34
               btn clean.setOnClickListener { it: View!
                    formClear()
36
37
               tv disini.setOnClickListener { it: View!
                   startActivity(Intent( packageContext: this, LoginActivity::class.java))
38
😰 MainActivity.kt 🗶 😭 RegisterActivity.kt 🗴 🥷 LoginActivity.kt 🗴 🥷 SplashScreen.kt 🗡 🏭 AndroidManifest.xml 🗡 🚱 SessionPreferences.kt 🗡
39
                     finish()
40
41
42
            fun actionData(username : String, password : String){
43
                koneksi.service.register(username, password).enqueue(object : Callback<ResponseAdmin> {
44 et
                     override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
45
                         Log.d( tag: "pesan1", t.localizedMessage)
46
47
                     override fun onResponse(call: Call<ResponseAdmin>, response: Response<ResponseAdmin>) {
48 ®
49
                         if(response.isSuccessful){
                             val resbody = response.body()
                             val resStatus = resbody?.status
                             val resUserName = resbody?.data?.get(0)?.username
53
                             Log.d( tag: "pesan", resUserName.toString())
                             if(resStatus == true){
                                 sessionPreferences = SessionPreferences( activity: this@RegisterActivity)
56
                                 sessionPreferences.actionLogin(resUserName.toString())
                                  val i = Intent( packageContext: this@RegisterActivity, MainActivity::class.java)
                                 startActivity(i)
                                 finish()
60
                             }else if(resStatus == false){
                                  Toast.makeText( context: this@RegisterActivity,
61
                                      text: "Username atau Password Anda Salah!", Toast.LENGTH LONG).show()
                             }
64
```

Lakukan deklarasi seperti gambar berikut

```
override fun onCreate(savedInstanceState: Bundle?) {
```

# Script on Create

```
20 01
           override fun onCreate(savedInstanceState: Bundle?) {
21
                super.onCreate(savedInstanceState)
                window.setFlags(WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS,
22
23
                    WindowManager.LayoutParams.FLAG_LAYOUT_NO_LIMITS)
24
                setContentView(R.layout.activity register)
                btn submit.setOnClickListener { it: View!
25
26
                    val userName = et_username.text.toString()
27
                    val password = et_password.<u>text</u>.toString()
28
                    if(userName.isEmpty() || password.isEmpty()){
                        Toast.makeText( context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
29
30
                    }else{
31
                        actionData(userName, password)
32
33
                btn_clean.setOnClickListener { it: View!
34
35
                    formClear()
36
                tv disini.setOnClickListener { it: View!
37
38
                    startActivity(Intent( packageContext: this, LoginActivity::class.java))
39
                    finish()
40
41
```

# Script actionData

```
fun actionData(username : String, password : String){
                                              koneksi.\underline{service}.register(username,\ password).enqueue(\textbf{object}\ :\ Callback<ResponseAdmin>\ \{archiverselement{Adminsspiral} \ archiverselement{Adminsspiral} \ 
43
44 🐠 🖯
                                                          override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
45
                                                                      Log.d( tag: "pesan1", t.localizedMessage)
                                                          }
46
47
48 ●1
                                                          override fun onResponse(call: Call<ResponseAdmin>, response: Response<ResponseAdmin>) {
49
                                                                      if(response.isSuccessful){
                                                                                  val resbody = response.body()
50
51
                                                                                  val resStatus = resbody?.status
                                                                                  val resUserName = resbody?.data?.get(0)?.username
52
53
                                                                                  Log.d( tag: "pesan", resUserName.toString())
                                                                                  if(resStatus == true){
54
                                                                                              sessionPreferences = SessionPreferences( activity: this@RegisterActivity)
55
56
                                                                                              sessionPreferences.actionLogin(resUserName.toString())
                                                                                              val i = Intent( packageContext: this@RegisterActivity, MainActivity::class.java)
57
                                                                                              startActivity(i)
58
59
                                                                                              finish()
                                                                                   }else if(resStatus == false){
60
61
                                                                                              Toast.makeText( context: this@RegisterActivity,
62
                                                                                                       text: "Username atau Password Anda Salah!", Toast.LENGTH_LONG).show()
63
                                                                                   }
64
                                                                      }
65
                                              })
66
67
```

# Script formClear

```
fun formClear(){
    et_username.text.clear()
    et_password.text.clear()
}
```

Jika sudah selesai langkah selanjutnya membuat login

# loginActivity.kt

membuat script login silahkan perhatikan gambar berikut :

```
package com.informatika.databarang
2
3
       import ...
19
       class LoginActivity : AppCompatActivity() {
20
21
           private lateinit var sessionPreferences: SessionPreferences
23 📭
           override fun onCreate(savedInstanceState: Bundle?) {
               super.onCreate(savedInstanceState)
24
25
               window.setFlags(WindowManager.LayoutParams.FLAG LAYOUT NO LIMITS,
                   WindowManager.LayoutParams.FLAG LAYOUT NO LIMITS)
26
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
                   if(userName.isEmpty() || password.isEmpty()){
                       Toast.makeText( context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
34
35
                       actionData(userName, password)
36
37
38
               btn_clean.setOnClickListener { it: View!
39
                    formClear()
40
               tv disini.setOnClickListener { it: View!
41
```

### Lakukan deklarasi seperti gambar berikut

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

# Script on Create

```
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)
                setContentView(R.layout.activity login)
                btn submit.setOnClickListener { it: View!
28
29
                    val userName = et username.text.toString()
30
                    val password = et_password.<u>text</u>.toString()
31
32
                    if(userName.isEmpty() || password.isEmpty()){
33
                        Toast.makeText( context: this, text: "Form tidak boleh kosong!", Toast.LENGTH_LONG).show()
34
35
                        actionData(userName, password)
36
38
                btn clean.setOnClickListener { it: View!
39
                    formClear()
40
41
                tv disini.setOnClickListener { it: View!
                    startActivity(Intent( packageContext: this, RegisterActivity::class.java))
42
43
44
45
```

# Script actionData

```
fun actionData(username : String, password : String){
47
                koneksi.\underline{service}.logIn(username,\ password).enqueue(\textbf{object}\ :\ Callback<ResponseAdmin>\{
48 ●
                    override fun onFailure(call: Call<ResponseAdmin>, t: Throwable) {
49
                        Log.d( tag: "pesan1", t.localizedMessage)
50
51
52 et
                    override fun onResponse(call: Call<ResponseAdmin>, response: ResponseResponseAdmin>) {
53
                        if(response.isSuccessful){
54
                            val resbody = response.body()
                             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)
                                 sessionPreferences.actionLogin(resUserName.toString())
60
61
                                 val i = Intent( packageContext: this@LoginActivity, MainActivity::class.java)
                                 startActivity(i)
62
                                 finish()
63
64
                             }else if(resStatus == false){
                                 Toast.makeText( context: this@LoginActivity, text: "Username atau Password Anda Salah!", Toast
65
         .LENGTH LONG) .show()
67
68
69
                })
```

## Script formClear

```
fun formClear(){
    et_username.text.clear()
    et_password.text.clear()
}
```

Setelah selesai semuanya silahlan di running

### Activity main.xml

Tambahkan script berikut pada baris ke 14 di editor :

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

#### Colors.xml

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

# styles.xml

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

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