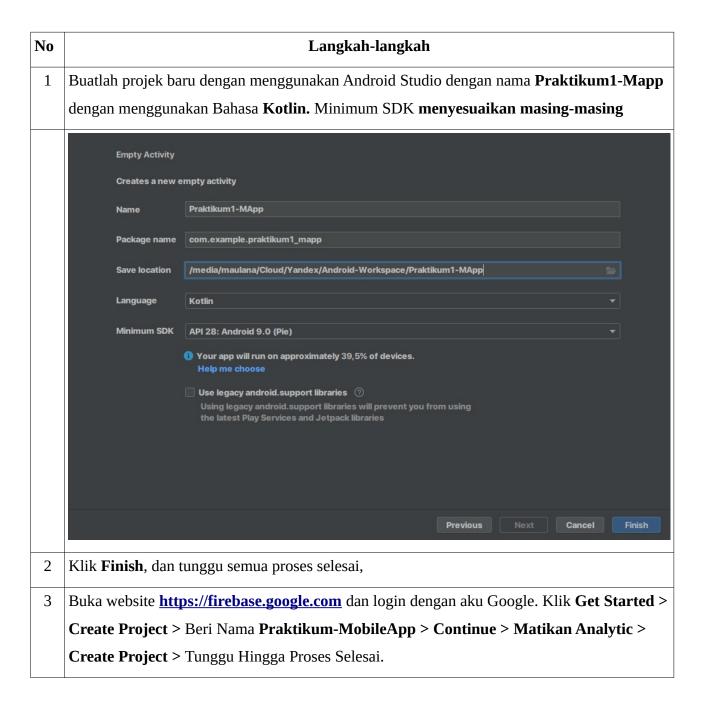
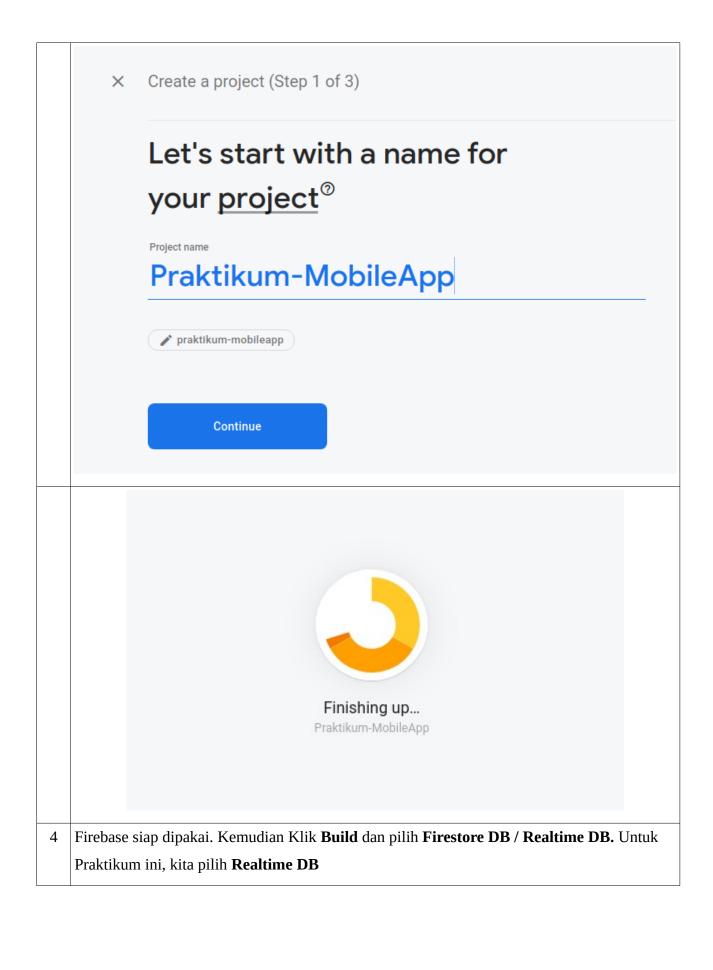
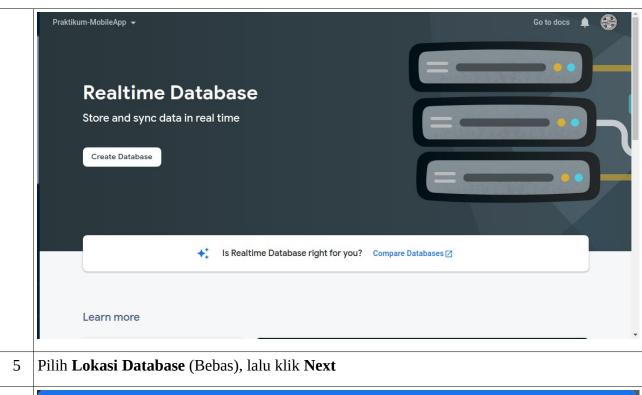
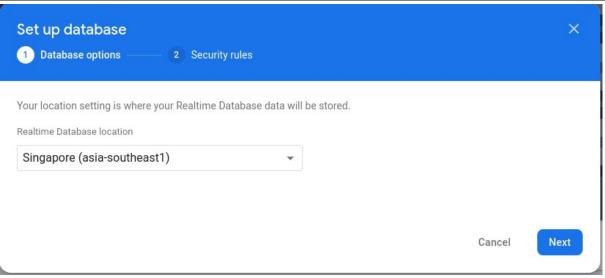
Praktikum 1 – Mobile Application

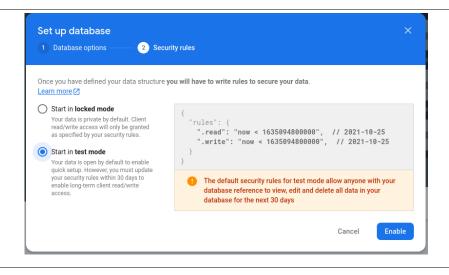


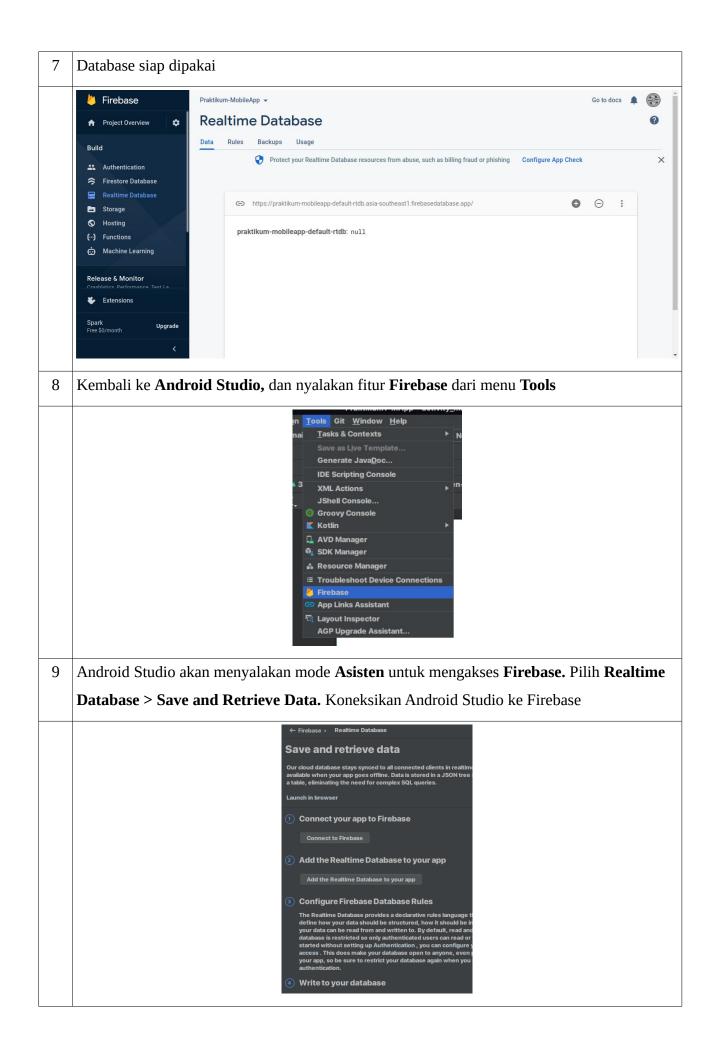


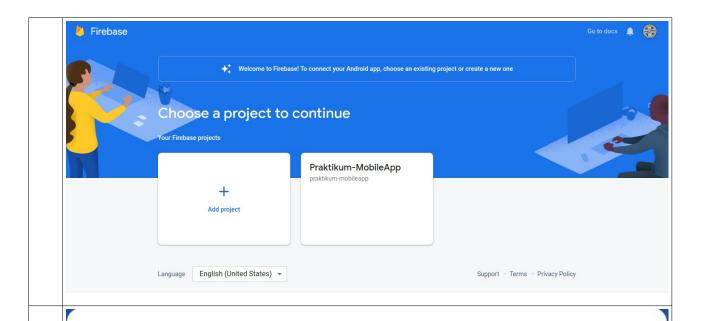




6 Pilih **Test Mode,** lalu **Enable**









Your Firebase Android app has been created in Firebase.

It's ready for you to connect to your Android Studio project!

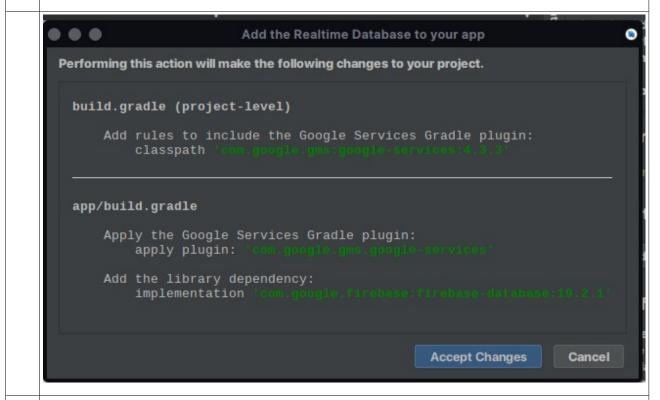
Connect



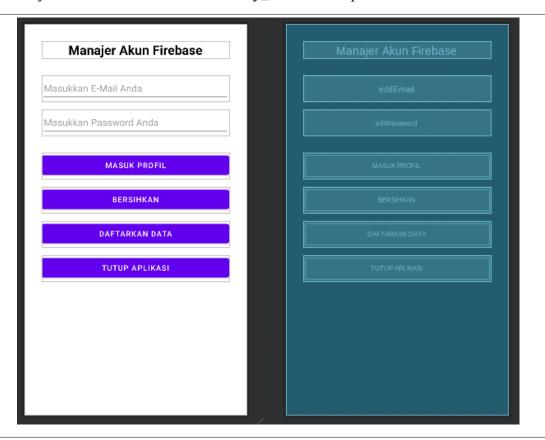
Your Android Studio project is connected to your Firebase Android app

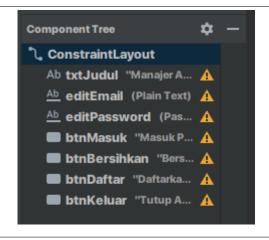
You can now use Firebase in your project! Go back to Android Studio to start using one of the Firebase SDKs.

Berikutnya klik **Add the Realtime Database to your app** di menu **Asisten,** dan klik **Accept Changes.** Android Studio akan mensinkronisasi, **Tunggu Hingga Selesai**



- 11 Tutup menu **Asisten**, Projek siap digunakan untuk praktikum
- 12 Buatlah Layout Halaman Awal di file **activity_main.xml** seperti berikut:





13 | Tambahkan kode inisialisasi **EditText** dan **Button** dibawah bari **setContentView(...)**

```
// EditText
var editEmail = findViewById<EditText>(R.id.editEmail)
var editPassword = findViewById<EditText>(R.id.editPassword)

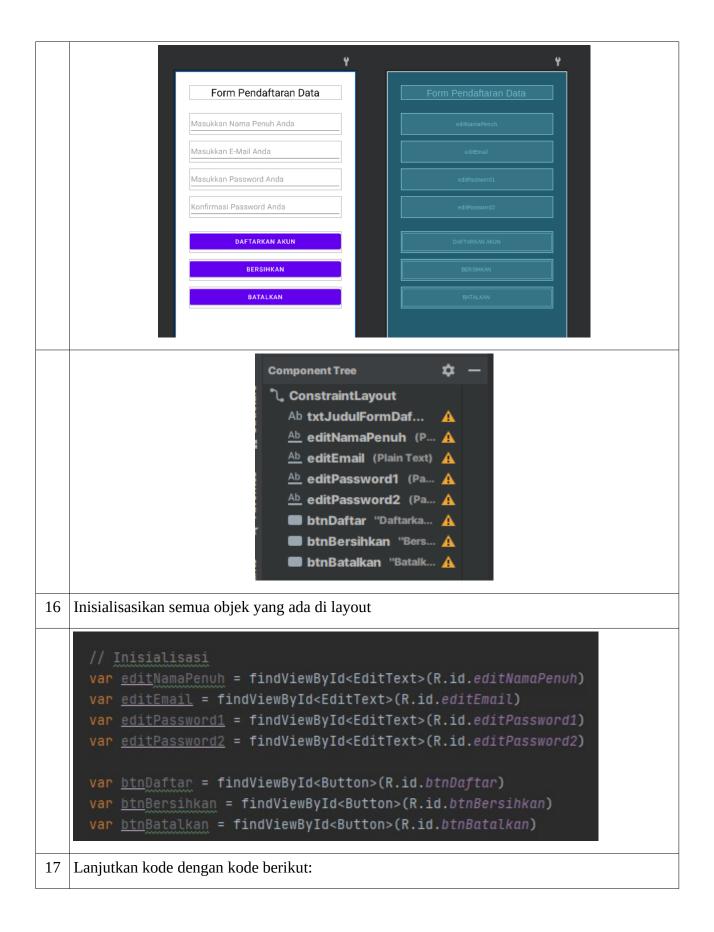
// Button
var btnMasuk = findViewById<Button>(R.id.btnMasuk)
var btnBersihkan = findViewById<Button>(R.id.btnBersihkan)
var btnDaftar = findViewById<Button>(R.id.btnDaftar)
var btnKeluar = findViewById<Button>(R.id.btnKeluar)
```

14 | Lanjutkan kode di atas dengan **kode Action** sebagai berikut:

```
// Button Action
btnMasuk.setOnClickListener { it:View!

btnBersihkan.setOnClickListener { it:View!
    editEmail.setText("")
    editPassword.setText("")
}
btnDaftar.setOnClickListener { it:View!
}
btnKeluar.setOnClickListener { it:View!
    finish()
}
```

15 Buatlah **Activity** baru dengan nama **FormDaftar.** Lalu buatlah **Layout** seperti berikut:



```
// Kode Action
     btnDaftar.setOnClickListener { (it:View!)
     btnBersihkan.setOnClickListener { (it:View!
         editNamaPenuh.setText("")
         editEmail.setText("")
         editPassword1.setText("")
         editPassword2.setText("")
     btnBatalkan.setOnClickListener {  it:View!
         finish()
18 Kembali ke MainActivity dan tambahkan kode Aksi ke btnDaftar
      btnDaftar.setOnClickListener { it:View!
          val formDaftar = Intent( packageContext: this, FormDaftar::class.jανα)
          startActivity(formDaftar)
19 Buat file Kotlin Class lalu beri nama dengan UserInfo. Tambahkan kode berikut
            package com.example.praktikum1_mapp
            import com.google.firebase.database.IgnoreExtraProperties
            @IgnoreExtraProperties
           data class UserInfo (
                var nama : String? = "",
                var email : String? = "",
                var password : String? = ""
20 Kembali ke FormDaftar.kt tambahkan baris kode berikut:
     class FormDaftar : AppCompatActivity() {
          private lateinit var <u>database</u>: DatabaseReference
          override fun onCreate(savedInstanceState: Bundle?) {
21
   Lalu tambahkan kode inisialisasinya sebelum Kode Action
```

```
var btnBatalkan = findViewById<Button>(R.id.btnBatalkan)
       <u>database</u> = Firebase.database.reference
       // Kode Action
       btnDaftar.setOnClickListener { it:View!
!!
    Jika terjadi error unresolved reference Firebase.database.reference
!!
    Buka file build.grade (:app), lalu tambahkan kata "-ktx" di baris kode berikut:
    Lalu Sync Now
      тшрсешентастон
     implementation 'androidx.constraintlayout:constraintlayout:2.0.4'
     implementation
      implementation 'com.google.firebase:firebase-common-ktx:20.0.0'
    Setelah inisalisasi selesai, masukkan kode berikut ke btnDaftar di file FormDaftar
22
     /al Nama = <u>editNamaPenuh</u>.<u>text</u>.toString()
     val Email = editEmail.text.toString()
     val Pass1 = editPassword1.text.toString()
     val Pass2 = editPassword2.text.toString()
        if(Pass1.equals(Pass2)) {
            val userId = "0"
           database.child( pathString: "users")
               .child(userId)
```

```
database.child(pathString: "users")
.child(userId)
.setValue(user)
.addOnCompleteListener {
    task ->
    if (task.isSuccessful()) {
        Toast.makeText(applicationContext, text: "Akun Berhasil Ditambahkan", Toast.LENGTH_SHORT)
        finish()
    }
    else
        Toast.makeText(applicationContext, text: "Akun Gagal Ditambahkan", Toast.LENGTH_SHORT)
}
else {
    Toast.makeText(applicationContext, text: "Password Tidak Sama", Toast.LENGTH_SHORT).show()
        editPassword1.setText("")
        editPassword2.setText("")
}

Kompilasikan kode dan install ke Android. Lalu tes daftar akun. Jika berhasil, form akan
```

tertutup sendiri, dan data input akan muncul di **Firebase Console** sebelumnya (Langkah 7)

```
https://praktikum-mobileapp-default-rtdb.asia-southeast1.firebasedatabase.app/users/0

praktikum-mobileapp-default-rtdb > users > 0

email: "maulanahirzan@gmail.com "
nama: "Maulana "
password: "123"

24 Selesai. SIMPAN PROJEK untuk digunakan kembali nanti
```