#### **Firebase Authentication**



# create email and password and send Verification mail to the user

#### email with firebase.

```
package com.example.bestnoteapp;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.material.snackbar.Snackbar;
import com.google.firebase.auth.AuthResult;
```

```
mport com.google.firebase.auth.FirebaseUser;
   TextView Logintext;
   private FirebaseAuth mAuth;
      signupbtn = findViewById(R.id.signup);
       Logintext = findViewById(R.id.Loginbtn);
      mAuth = FirebaseAuth.getInstance();
       loginbtn.setOnClickListener(new View.OnClickListener() {
           public void onClick(View v) {
              startActivity(intent);
       signupbtn.setOnClickListener(new View.OnClickListener() {
           public void onClick(View v) {
               String pass = password.getText().toString().trim();
                       public void onClick(View view) {
```

```
public void onComplete(@NonNull Task<AuthResult>
                            sendEmailVerification();
private void sendEmailVerification() {
    if(firebaseUser != null){
        firebaseUser.sendEmailVerification().addOnCompleteListener(new
            public void onComplete(@NonNull Task<Void> task) {
```

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## SignIn with Email and Password

```
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
   protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
            startActivity(new
Intent(getApplicationContext(), notesactivity.class));
```

```
FirebaseDatabase firebaseDatabase =
FirebaseDatabase.getInstance();
firebaseDatabase.getReference().child("Books");
        forgotpassword = findViewById(R.id.forgot password);
        logins.setOnClickListener(new View.OnClickListener() {
                String emails = email.getText().toString().toString();
                String passwords = password.getText().toString().toString();
er(new OnCompleteListener<AuthResult>() {
                         public void onComplete(@NonNull Task<AuthResult>
                                 CheckMailVerified();
                                 Toast.makeText(MainActivity.this, "Please
        signup.setOnClickListener(new View.OnClickListener() {
            public void onClick(View view) {
                Intent intent = new Intent(MainActivity.this,signup.class);
```

```
startActivity(intent);
}
});

forgotpassword.setOnClickListener(new View.OnClickListener() {
    @Override
    public void onClick(View view) {
        Intent intent = new

Intent (MainActivity.this, forgot_password.class);
        startActivity(intent);
    }
});
}

private void CheckMailVerified() {
    FirebaseUser currentUser = firebaseAuth.getCurrentUser();
    if(currentUser.isEmailVerified() == true) {
        Toast.makeText(getApplicationContext(), "Logged In",

Toast.LENGTH_SHORT).show();
    finish();
    startActivity(new Intent(MainActivity.this,signup.class));
}else {
        Toast.makeText(getApplicationContext(), "Verified your mail
first", Toast.LENGTH_SHORT).show();
        firebaseAuth.signOut();
        startActivity(new Intent(MainActivity.this,notesactivity.class));
}
}
```

#### **Forgot Password**

```
package com.example.bestnoteapp;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.EditText;
import android.widget.TextView;
import android.widget.Toast;
import com.google.android.gms.tasks.OnCompleteListener;
import com.google.android.gms.tasks.Task;
import com.google.firebase.auth.FirebaseAuth;

public class forgot_password extends AppCompatActivity {
    EditText email;
    Button recover;
```

```
FirebaseAuth firebaseAuth;
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
                String emailtext = email.getText().toString().trim();
                if (emailtext.isEmpty()) {
FirebaseAuth.getInstance().sendPasswordResetEmail(emailtext)
                                public void onComplete(@NonNull Task<Void>
Intent(forgot password.this, signup.class);
```

How to insert data into firebase database: First create a java class file inside the class create constructor, Geter and setter.

```
String desc;
public student(String name, String desc, String address) {
public void setName(String name) {
public void setDesc(String desc) {
public void setAddress(String address) {
```

## inside mainpage: call the constructor

```
}else{
    Intent intent = new Intent(this,GetuserDataIntent.class);
    intent.putExtra("name",yname);
    intent.putExtra("address",yaddress);
    intent.putExtra("desc",ydesc);
    intent.putExtra("image",R.drawable.ic_launcher_background);

    startActivity(intent);
    Toast.makeText(this, "submit data", Toast.LENGTH_SHORT).show();

    student = firebaseDatabase.getReference().child("student");
        creating a constructor and set value
        student data = new student(yname,ydesc,yaddress);
        student.push().setValue(data);
    }
});
```

### Insert only one data in firbase Realtime database

```
private void insertdata() {
    DatabaseReference name =
firebaseDatabase.getReference("UserData").child("UserId").child("name");
    DatabaseReference desc =
firebaseDatabase.getReference("UserData").child("UserId").child("desc");
    DatabaseReference address =
firebaseDatabase.getReference("UserData").child("UserId").child("address");
    name.setValue("Krishna");
    desc.setValue("Hello world");
    address.setValue("Walling 13");
}
```