Activity.xml

<?xml version="1.0" encoding="utf-8" ?>  
<LinearLayout xmlns:android ="http://schemas.android.com/apk/res/android"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 android:background="#D3D3D3">  
 <TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Register"  
 android:textStyle="bold"  
 android:textSize="30sp"  
 android:paddingLeft="60dp"  
 android:paddingTop="50dp" />  
 <EditText  
 android:id="@+id/editText1"  
 android:layout\_width="304dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="Email"  
 android:textSize="25sp"  
 android:paddingTop="70dp"  
 android:inputType="textEmailAddress" />  
 <EditText  
 android:id="@+id/editText2"  
 android:layout\_width="304dp"  
 android:layout\_height="wrap\_content"  
 android:ems="10"  
 android:hint="password"  
 android:textSize="25sp"  
 android:inputType="numberPassword" />  
 <Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_gravity="right"  
 android:paddingTop="10dp"  
 android:paddingRight="10dp"  
 android:background="#A9A9A9"  
 android:text="reg" />  
</LinearLayout>

Mainactvity.java

package com.myapplication.firebaseauthenticationexamp;  
  
import android.app.ProgressDialog;  
import android.os.Bundle;  
import android.text.TextUtils;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
import com.google.android.gms.tasks.OnCompleteListener;  
import com.google.android.gms.tasks.Task;  
import com.google.firebase.FirebaseApp;  
import com.google.firebase.auth.AuthResult;  
import com.google.firebase.auth.FirebaseAuth;  
public class MainActivity extends AppCompatActivity {  
 EditText email,pass;  
 Button btn\_reg;  
 private FirebaseAuth firebaseAuth\_obj;  
 private ProgressDialog progressDialog;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 email = (EditText) findViewById(R.id.editText1);  
 pass = (EditText) findViewById(R.id.editText2);  
 btn\_reg= (Button) findViewById(R.id.button2);  
 progressDialog= new ProgressDialog(this);  
 FirebaseApp.initializeApp(this);  
 firebaseAuth\_obj= FirebaseAuth.getInstance();  
 btn\_reg.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 user\_registration();  
 }  
 });  
 }  
 private void user\_registration(){  
 String entered\_email = email.getText().toString().trim();  
 String entered\_password = pass.getText().toString().trim();  
 if(TextUtils.isEmpty(entered\_email)){  
 Toast.makeText(this,"Please enter email",Toast.LENGTH\_LONG).show();  
 return;  
 }  
 if(TextUtils.isEmpty(entered\_password)){  
 Toast.makeText(this,"Please enter password", Toast.LENGTH\_LONG).show();  
 return;  
 }  
 progressDialog.setMessage("Registering Please Wait...");  
 progressDialog.show();  
 firebaseAuth\_obj.createUserWithEmailAndPassword(entered\_email, entered\_password)  
 .addOnCompleteListener(this, new OnCompleteListener<AuthResult>  
 () {  
 @Override  
 public void onComplete(@NonNull Task<AuthResult>  
 task) {  
  
 if(task.isSuccessful()){  
  
 Toast.makeText(MainActivity.this,"You have successfully registered",Toast.LENGTH\_LONG).show();  
 }else{  
  
 Toast.makeText(MainActivity.this,"error while registering",Toast.LENGTH\_LONG).show();  
 }  
 progressDialog.dismiss();  
 }  
 });  
 }  
}

Manifest.xml

<uses-permission android:name ="android.permission.INTERNET" />

String.xml

<resources>  
 <string name="app\_name">Firebase Authen Exam</string>  
 <string name="register">Register Yourself</string>  
 <string name="reg">Register</string>  
 <string name="email">Enter your email</string>  
 <string name="pass">Enter your password</string>  
  
</resources>