class RegisterActivity : AppCompatActivity() {  
 private val GOOGLE\_SIGN\_IN = 100  
  
 override fun onCreate(savedInstanceState: Bundle?) {  
 super.onCreate(savedInstanceState)  
 setContentView(R.layout.*activity\_register*)  
  
 //Setup  
 setup()  
 session()  
 }  
 override fun onStart(){  
 super.onStart()  
 authLayout.*visibility* = View.*VISIBLE* }  
  
 private fun session() {  
 val prefs = getSharedPreferences(getString(R.string.*prefs\_file*), Context.*MODE\_PRIVATE*)  
 val email:String? = prefs.getString("email", null)  
 val provider:String? = prefs.getString("provider", null)  
  
 if (email != null && provider != null){  
 authLayout.*visibility* = View.*INVISIBLE* showHome(email, ProviderType.valueOf(provider))  
 }  
 }  
  
 private fun setup() {  
 *title* = "Autenticación"  
 btn\_Register.setOnClickListener **{** if (editemail.*text*.*isNotEmpty*() && editPassword.*text*.*isNotEmpty*() ) {  
  
 FirebaseAuth.getInstance()  
 .createUserWithEmailAndPassword((editemail.*text*.toString()),  
 editPassword.*text*.toString()).addOnCompleteListener **{** if (**it**.*isSuccessful*) {  
 showHome(**it**.*result*?.*user*?.*email* ?: "", ProviderType.*BASIC*)  
  
 } else {  
 showAlert()  
 }  
 **}** }  
 **}** btn\_Acceder.setOnClickListener **{** if (editemail.*text*.*isNotEmpty*() && editPassword.*text*.*isNotEmpty*() ) {  
 FirebaseAuth.getInstance()  
 .signInWithEmailAndPassword((editemail.*text*.toString()),  
 editPassword.*text*.toString()).addOnCompleteListener **{** if (**it**.*isSuccessful*) {  
 showHome(**it**.*result*?.*user*?.*email* ?: "", ProviderType.*BASIC*)  
  
 } else {  
 showAlert()  
 }  
 **}** }  
 **}** googleButton.setOnClickListener **{** //Configuracion  
 val googleConf= GoogleSignInOptions.Builder(GoogleSignInOptions.*DEFAULT\_SIGN\_IN*)  
 .requestIdToken(getString(R.string.*default\_web\_client\_id*))  
 .requestEmail()  
 .build()  
 val googleClient = GoogleSignIn.getClient(this,googleConf)  
 googleClient.signOut()  
 startActivityForResult(googleClient.*signInIntent*,GOOGLE\_SIGN\_IN)  
  
 **}** }  
  
 private fun showAlert() {  
 val builder = AlertDialog.Builder(this)  
 builder.setTitle("Error")  
 builder.setMessage("Se ha producido un error autenticando su usuario o ya ha sido registrado")  
 builder.setPositiveButton("Aceptar",null)  
 val dialog: AlertDialog = builder.create()  
 dialog.show()  
 }  
  
  
 private fun showHome(email: String, provider:ProviderType){  
 val homeIntent =Intent(this, HomeActivity::class.*java*).*apply* **{** putExtra("email", email)  
 putExtra("provider", provider.name)  
 **}** startActivity(homeIntent)  
  
 }  
  
 override fun onActivityResult(requestCode: Int, resultCode: Int, data: Intent?) {  
 super.onActivityResult(requestCode, resultCode, data)  
 if (requestCode == GOOGLE\_SIGN\_IN) {  
 val task= GoogleSignIn.getSignedInAccountFromIntent(data)  
 try {  
 val account = task.getResult(ApiException::class.*java*)  
  
 if (account != null) {  
 val credential = GoogleAuthProvider.getCredential(account.*idToken*, null)  
 FirebaseAuth.getInstance().signInWithCredential(credential)  
 .addOnCompleteListener **{** if (**it**.*isSuccessful*) {  
 showHome(account.*email* ?: "", ProviderType.*GOOGLE*)  
  
 } else {  
 showAlert()  
 }  
 **}** }  
 }catch(e:ApiException){  
 showAlert()  
 }  
 }  
 }  
  
  
  
  
  
  
  
  
 fun onReturn(view: android.view.View) {  
 val intento = Intent(this, InicioActivity::class.*java*)  
 startActivity(intento)  
 }  
  
}