```
EmployeeInfo.java:
package com.example.ex 11;
public class EmployeeInfo {
    private String employeeName;
    private String employeeContactNumber;
    private String employeeAddress;
    public EmployeeInfo() {
    public String getEmployeeName() {
        return employeeName;
    public void setEmployeeName(String employeeName) {
        this.employeeName = employeeName;
    public String getEmployeeContactNumber() {
        return employeeContactNumber;
    public void setEmployeeContactNumber(String employeeContactNumber) {
        this.employeeContactNumber = employeeContactNumber;
    public String getEmployeeAddress() {
        return employeeAddress;
    public void setEmployeeAddress(String employeeAddress) {
        this.employeeAddress = employeeAddress;
}
Mainactivity1:
package com.example.ex 11;
import android.content.Intent;
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.firebase.FirebaseApp;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;
public class MainActivity extends AppCompatActivity {
    private EditText employeeNameEdt, employeePhoneEdt, employeeAddressEdt;
    private Button sendDatabtn;
    private Button getData;
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;
    EmployeeInfo employeeInfo;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity main);
        employeeNameEdt = findViewById(R.id.idEdtEmployeeName);
        employeePhoneEdt = findViewById(R.id.idEdtEmployeePhoneNumber);
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employeeAddressEdt = findViewById(R.id.idEdtEmployeeAddress);
        FirebaseApp.initializeApp(this);
        firebaseDatabase = FirebaseDatabase.getInstance();
        databaseReference = firebaseDatabase.getReference("EmployeeInfo");
        employeeInfo = new EmployeeInfo();
        sendDatabtn = findViewById(R.id.idBtnSendData);
        getData=findViewById(R.id.idBtngetData);
        sendDatabtn.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                String name = employeeNameEdt.getText().toString();
                String phone = employeePhoneEdt.getText().toString();
                String address = employeeAddressEdt.getText().toString();
                if (TextUtils.isEmpty(name) && TextUtils.isEmpty(phone) &&
TextUtils.isEmpty(address)) {
                    Toast.makeText(MainActivity.this, "Please add some
data.", Toast.LENGTH_SHORT) .show();
                } else {
                    addDatatoFirebase(name, phone, address);
                }
            }
        });
        getData.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent i = new Intent(getApplicationContext(),
MainActivity2.class);
                startActivity(i);
        });
    private void addDatatoFirebase(String name, String phone, String
address) {
        employeeInfo.setEmployeeName(name);
        employeeInfo.setEmployeeContactNumber(phone);
        employeeInfo.setEmployeeAddress(address);
        databaseReference.addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                databaseReference.setValue(employeeInfo);
                Toast.makeText(MainActivity.this, "data added",
Toast. LENGTH SHORT) . show();
            @Override
            public void onCancelled(@NonNull DatabaseError error) {
                Toast.makeText (MainActivity.this, "Fail to add data " +
error, Toast. LENGTH SHORT) . show();
        });
    }
}
Xml 1:
<?xml version="1.0" encoding="utf-8"?>
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout height="match parent"
    tools:context=".MainActivity">
```

```
<!--EditText for adding employee name-->
    <EditText
        android:id="@+id/idEdtEmployeeName"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout centerHorizontal="true"
        android:layout margin="10dp"
        android:hint="Enter Employee Name"
        android:importantForAutofill="no"
        android:inputType="textPersonName" />
    <!--EditText for adding employee phone-->
    <EditText
        android:id="@+id/idEdtEmployeePhoneNumber"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout_below="@id/idEdtEmployeeName"
        android:layout_margin="10dp"
        android:hint="Enter employee phone number"
        android:importantForAutofill="no"
        android:inputType="phone" />
    <!--EditText for adding employee address-->
    <EditText
        android:id="@+id/idEdtEmployeeAddress"
        android:layout width="match parent"
        android:layout_height="wrap_content"
        android:layout below="@id/idEdtEmployeePhoneNumber"
        android:layout margin="10dp"
        android:hint="Enter employee address"
        android:inputType="textPostalAddress" />
    <!--Button for adding data to Firebase-->
        android:id="@+id/idBtnSendData"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@id/idEdtEmployeeAddress"
        android:layout margin="10dp"
        android:text="Add employee details"
        android:textAllCaps="false" />
    <Button
        android:id="@+id/idBtngetData"
        android:layout width="match parent"
        android:layout height="wrap content"
        android:layout below="@id/idBtnSendData"
        android:layout margin="10dp"
        android:text="Get employee details"
        android:textAllCaps="false" />
</RelativeLayout>
Mainactivity2:
package com.example.ex 11;
import android.annotation.SuppressLint;
```

```
import android.os.Bundle;
import android.widget.TextView;
import android.widget.Toast;
import androidx.annotation.NonNull;
import androidx.appcompat.app.AppCompatActivity;
import com.google.firebase.database.DataSnapshot;
import com.google.firebase.database.DatabaseError;
import com.google.firebase.database.DatabaseReference;
import com.google.firebase.database.FirebaseDatabase;
import com.google.firebase.database.ValueEventListener;
public class MainActivity2 extends AppCompatActivity {
    FirebaseDatabase firebaseDatabase;
    DatabaseReference databaseReference;
    private TextView name, contact, addr;
    @SuppressLint("MissingInflatedId")
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main2);
        firebaseDatabase = FirebaseDatabase.getInstance();
        databaseReference = firebaseDatabase.getReference("EmployeeInfo");
        name = findViewById(R.id.textView2);
        contact=findViewById(R.id.textView);
        addr=findViewById(R.id.textView3);
        getdata();
    private void getdata() {
        databaseReference.addValueEventListener(new ValueEventListener() {
            @Override
            public void onDataChange(@NonNull DataSnapshot snapshot) {
                String name1 =
snapshot.child("employeeName").getValue(String.class);
                String contact1 =
snapshot.child("employeeContactNumber").getValue(String.class);
                String addr1 =
snapshot.child("employeeAddress").getValue(String.class);
                name.setText(name1);
                contact.setText(contact1);
                addr.setText(addr1);
            @Override
            public void onCancelled(@NonNull DatabaseError error) {
                Toast.makeText(MainActivity2.this, "Fail to get data.",
Toast. LENGTH SHORT) . show();
        });
   }
}
Xm12:
<?xml version="1.0" encoding="utf-8"?>
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout width="match parent"
    android:layout_height="match parent"
    tools:context=".MainActivity">
```

```
<LinearLayout</pre>
        android:layout_width="match_parent"
        android:layout height="match parent"
        android:orientation="vertical">
        <TextView
            android:id="@+id/textView2"
            android:layout width="match parent"
            android:layout height="wrap_content"
            android:text="TextView" />
        <TextView
            android:id="@+id/textView"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="TextView" />
        <TextView
            android:id="@+id/textView3"
            android:layout width="match parent"
            android:layout height="wrap content"
            android:text="TextView" />
    </LinearLayout>
</RelativeLayout>
AndroidManifest:
<?xml version="1.0" encoding="utf-8"?>
<manifest xmlns:android="http://schemas.android.com/apk/res/android"</pre>
    xmlns:tools="http://schemas.android.com/tools">
    <uses-permission android:name="android.permission.INTERNET" />
    <uses-permission android:name="android.permission.ACCESS NETWORK STATE"</pre>
/>
    <application
        android:allowBackup="true"
        android:dataExtractionRules="@xml/data extraction rules"
        android:fullBackupContent="@xml/backup rules"
        android:icon="@mipmap/ic launcher"
        android:label="@string/app name"
        android:roundIcon="@mipmap/ic launcher round"
        android:supportsRtl="true"
        android: theme="@style/Theme.Ex 11"
        tools:targetApi="31">
        <activity
            android: name=".MainActivity2"
            android:exported="false">
            <meta-data
                android:name="android.app.lib name"
                android:value="" />
        </activity>
        <activity
            android:name=".MainActivity"
            android:exported="true">
            <intent-filter>
                <action android:name="android.intent.action.MAIN" />
                <category android:name="android.intent.category.LAUNCHER"</pre>
```



