

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);
    }
}
```

```

        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-->
<Button
    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;
    @SuppressWarnings("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();
            }
        });
    }
}

```

Xml2:

```

<?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">

```

```

<LinearLayout
    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"
    xmlns:tools="http://schemas.android.com/tools">

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

    <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"

```

```
    />
    </intent-filter>

    <meta-data
        android:name="android.app.lib_name"
        android:value="" />
    </activity>
</application>

</manifest>
```



