

- activity_main.xml

```
<?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"
    android:padding="10dp"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Employee Information"
        android:textSize="30sp"
        android:textStyle="bold"
        android:textColor="#0F49BA"
        />

    <ImageButton
        android:id="@+id/btnAddstudent"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/addemployee"
        android:background="#FFFFFF"
        android:padding="10dp"
        android:layout_alignParentRight="true"/>

    <androidx.recyclerview.widget.RecyclerView
        android:id="@+id/recyclerView"
        android:layout_width="match_parent"
        android:layout_height="match_parent"
        android:scrollbars="vertical"
        android:layout_below="@+id/btnAddstudent"/>

</RelativeLayout>
```

- emp_item_layout.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="wrap_content"
    android:orientation="vertical">

    <TextView
        android:id="@+id/txtName"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
```

```

        android:layout_alignParentTop="true"
        android:layout_marginTop="15dp"
        android:textStyle="bold"
        android:text="ID"
        android:textSize="25sp"/>
<TextView
    android:id="@+id/txtGender"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Name"
    android:layout_below="@+id/txtName"/>
<TextView
    android:id="@+id/txtEmail"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Age"
    android:layout_below="@+id/txtGender"/>
<TextView
    android:id="@+id/txtSalary"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:textSize="20sp"
    android:text="Salary"
    android:layout_below="@+id/txtEmail"/>
</LinearLayout>

```

- add_dialog_layout.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:padding="20dp">

 <ImageView
 android:layout_width="match_parent"
 android:layout_height="190dp"
 android:src="@drawable/employee" />

 <com.google.android.material.textfield.TextInputLayout
 android:layout_width="match_parent"
 android:layout_height="wrap_content"

 style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
 android:hint="Name"
 android:layout_marginTop="12dp">
 <com.google.android.material.textfield.TextInputEditText
 android:id="@+id/edtName"
 android:layout_width="match_parent"
 android:layout_height="wrap_content"
 android:inputType="text"
 android:textSize="20sp"/>
 </com.google.android.material.textfield.TextInputLayout>
</LinearLayout>

```

```

</com.google.android.material.textfield.TextInputLayout>

<TextView
 android:layout_width="wrap_content"
 android:layout_height="wrap_content"
 android:text="Gender"
 android:textSize="30sp" />
<RadioGroup
 android:id="@+id/radioGroupGender"
 android:layout_width="wrap_content"
 android:layout_height="wrap_content"
 android:orientation="horizontal">

 <RadioButton
 android:id="@+id/radioButtonMale"
 android:layout_width="wrap_content"
 android:layout_height="65dp"
 android:text="Male" />

 <RadioButton
 android:id="@+id/radioButtonFemale"
 android:layout_width="wrap_content"
 android:layout_height="wrap_content"
 android:text="Female" />

</RadioGroup>

<com.google.android.material.textfield.TextInputLayout
 android:layout_width="match_parent"
 android:layout_height="wrap_content"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
 android:hint="E-Mail"
 android:layout_marginTop="12dp">
 <com.google.android.material.textfield.TextInputEditText
 android:id="@+id/edtEmail"
 android:layout_width="match_parent"
 android:layout_height="wrap_content"
 android:inputType="text"
 android:textSize="20sp" />
</com.google.android.material.textfield.TextInputLayout>
<com.google.android.material.textfield.TextInputLayout
 android:layout_width="match_parent"
 android:layout_height="wrap_content"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"
 android:hint="Salary"
 android:layout_marginTop="12dp">
 <com.google.android.material.textfield.TextInputEditText
 android:id="@+id/edtSalary"
 android:layout_width="match_parent"
 android:layout_height="wrap_content"
 android:inputType="number"
 android:textSize="20sp" />
</com.google.android.material.textfield.TextInputLayout>
</LinearLayout>

```

- MainActivity.kt

```

• package com.example.ass07

import Employee
import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.view.LayoutInflater
import android.widget.RadioGroup
import android.widget.Toast
import androidx.appcompat.app.AlertDialog
import androidx.recyclerview.widget.DividerItemDecoration
import androidx.recyclerview.widget.LinearLayoutManager
import com.example.ass07.databinding.ActivityMainBinding
import com.google.android.material.textfield.TextInputEditText

class MainActivity : AppCompatActivity() {
 private lateinit var binding: ActivityMainBinding
 private lateinit var radioGroup: RadioGroup
 var employeeList = ArrayList<Employee>()
 override fun onCreate(savedInstanceState: Bundle?) {
 super.onCreate(savedInstanceState)
 binding = ActivityMainBinding.inflate(layoutInflater)
 setContentView(binding.root)

 employeeData()
 binding.recyclerView.adapter =
 EmployeeAdapter(this.employeeList, applicationContext)
 binding.recyclerView.layoutManager =
 LinearLayoutManager(applicationContext)
 val itemDecor = DividerItemDecoration(this,
 DividerItemDecoration.VERTICAL)
 binding.recyclerView.addItemDecoration(itemDecor)

 binding.btnAddStudent.setOnClickListener{
 val mDialogView = LayoutInflater.from(
this).inflate(R.layout.add_employee_layout,null)
 val myBuilder = AlertDialog.Builder(this)
 //.R.style.CustomAlertDialog
 myBuilder.setView(mDialogView)
 ///Save Button
 myBuilder.setPositiveButton("Add Employee") { dialog, which
->
 val name = mDialogView.findViewById(R.id.edtName) as
 TextInputEditText
 var genders = ""
 val gender =
mDialogView.findViewById(R.id.radioGroupGender) as RadioGroup
 if (gender.textAlignment == 0) {
 genders += "Male"
 }
 if (gender.textAlignment == 1) {
 genders += "Female"
 }
 val email = mDialogView.findViewById(R.id.edtEmail) as
 TextInputEditText
 val salary = mDialogView.findViewById(R.id.edtSalary)

```

```

as TextInputEditText
 employeeelist.add(
 Employee(name.text.toString(), genders,
email.text.toString(), salary.text.toString().toInt()))
 binding.recyclerview.adapter?.notifyDataSetChanged()
 Toast.makeText(
 applicationContext,
 "The Employee is added successfully",
 Toast.LENGTH_LONG
).show()
 }
 ///Cancel Button
 myBuilder.setNegativeButton("Cancel") { dialog, which ->
 dialog.dismiss()
 }
 myBuilder.show() }
}
fun employeeData() {
 employeeelist.add(Employee("Gojo
Satoru","male","ruietenkai@gmail.com",3210051))
}
}

```

- Employee.kt

- `data class Employee(val name : String ,val gender : String ,val e_mail : String ,val salary : Int)`

- EmployeeAdapter.kt

- `package com.example.ass07`

```

import Employee
import android.content.Context
import android.view.LayoutInflater
import android.view.View
import android.view.ViewGroup
import androidx.recyclerview.widget.RecyclerView
import com.example.ass07.databinding.AddEmployeeLayoutBinding
import com.example.ass07.databinding.EmItemLayoutBinding

class EmployeeAdepter(val employeeelistList: ArrayList<Employee>?, val
context: Context):
 RecyclerView.Adapter<EmployeeAdepter.ViewHolder>() {
 class ViewHolder(view: View, val binding: EmItemLayoutBinding) :
 RecyclerView.ViewHolder(view){

 }

 override fun onCreateViewHolder(parent: ViewGroup, viewType: Int):
ViewHolder {
 val binding =

```

```
EmItemLayoutBinding.inflate(LayoutInflater.from(parent.context),
parent, false)
 return ViewHolder(binding.root, binding)
}

override fun getItemCount(): Int {
 return employeeelistList!!.size
}

override fun onBindViewHolder(holder: ViewHolder, position: Int) {
 val binding = holder.binding
 binding.txtName.text = "Name: ${employeeelistList!!
[position].name}"
 binding.txtGender.text = "Gender: ${employeeelistList!!
[position].gender}"
 binding.txtEmail.text = "E-mail: ${employeeelistList!!
[position].e_mail}"
 binding.txtSalary.text = "Salary : ${employeeelistList!!
[position].salary.toString()}"
}
}
```