**RecyclerView:**

row\_person.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">  
  
 <TextView  
 android:id="@+id/NameText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="TextView" />  
  
 <TextView  
 android:id="@+id/AgeText"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="TextView" />  
  
 <TextView  
 android:id="@+id/textView\_View"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_weight="1"  
 android:text="View"  
 android:textColor="@color/design\_default\_color\_primary" />  
</LinearLayout>

public class PersonData {  
 private String Name;  
 private int Age;  
 public PersonData(){}  
 public PersonData(String Name,int Age)  
 {  
 this.Name=Name;  
 this.Age=Age;  
 }  
  
 public String getName() {  
 return Name;  
 }  
  
 public int getAge() {  
 return Age;  
 }  
}

**RecyclerAdataper:**

public class RecyclerAdapter extends RecyclerView.Adapter<RecyclerAdapter.PersonViewHolder> {  
 private ArrayList<PersonData> personData=new ArrayList<PersonData>();  
 private Context context;  
  
 public RecyclerAdapter(ArrayList<PersonData> personData, Context context) {  
 this.personData = personData;  
 this.context = context;  
 }  
  
 @NonNull  
 @Override  
 public PersonViewHolder onCreateViewHolder(@NonNull ViewGroup parent, int viewType) {  
 View view= LayoutInflater.*from*(parent.getContext()).inflate(R.layout.*row\_person*,parent,false);  
 return new PersonViewHolder(view);  
 }  
  
 @Override  
 public void onBindViewHolder(@NonNull PersonViewHolder holder, int position) {  
 holder.txtName.setText(personData.get(position).getName());  
 holder.txtAge.setText(String.*valueOf*(personData.get(position).getAge()));  
 holder.txtClick.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 Toast.*makeText*(context,holder.txtName.getText().toString(),Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
  
 @Override  
 public int getItemCount() {  
 return personData.size();  
 }  
  
 public class PersonViewHolder extends RecyclerView.ViewHolder {  
 private TextView txtName,txtAge,txtClick;  
 public PersonViewHolder(@NonNull View itemView) {  
 super(itemView);  
 txtName=(TextView) itemView.findViewById(R.id.*NameText*);  
 txtAge=(TextView)itemView.findViewById(R.id.*AgeText*);  
 txtClick=(TextView)itemView.findViewById(R.id.*textView\_View*);  
 }  
 }  
}

*<?*xml version="1.0" encoding="utf-8"*?>*<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:id="@+id/linear1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity" >  
  
 <androidx.recyclerview.widget.RecyclerView  
 android:id="@+id/list1"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java:**

public class MainActivity extends AppCompatActivity {  
  
 RecyclerView recyclerView;  
 ArrayList<PersonData> persons=new ArrayList<>();  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
  
 persons.add(new PersonData("Mahesh",25));  
 persons.add(new PersonData("Sachin",24));  
 persons.add(new PersonData("Kedar",25));  
  
  
 recyclerView=(RecyclerView)findViewById(R.id.*list1*);  
 recyclerView.setLayoutManager(new LinearLayoutManager(MainActivity.this));  
  
 RecyclerAdapter adapter=new RecyclerAdapter(persons,getApplicationContext());  
 recyclerView.setAdapter(adapter);  
 }  
}