1……………..

activity\_main.xml

<?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:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:id="@+id/tvFirstNumber"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="30dp"  
 android:layout\_marginTop="50dp"  
 android:text="Enter First Number :"  
 android:textStyle="bold"  
 app:layout\_constraintLeft\_toLeftOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent" />  
  
 <TextView  
 android:id="@+id/tvSecondNumber"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="40dp"  
 android:text="Enter Second Number :"  
 android:textStyle="bold"  
 app:layout\_constraintStart\_toStartOf="@id/tvFirstNumber"  
 app:layout\_constraintTop\_toBottomOf="@id/tvFirstNumber" />  
  
 <EditText  
 android:id="@+id/etFirstNumber"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="50dp"  
 android:layout\_marginEnd="30dp"  
 android:inputType="number"  
 app:layout\_constraintBottom\_toBottomOf="@id/tvFirstNumber"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@id/tvFirstNumber" />  
  
 <EditText  
 android:id="@+id/etSecondNumber"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:layout\_marginTop="50dp"  
 android:layout\_marginEnd="30dp"  
 android:inputType="number"  
 app:layout\_constraintBottom\_toBottomOf="@id/tvSecondNumber"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toEndOf="@id/tvSecondNumber" />  
  
 <Button  
 android:id="@+id/btAdd"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Add"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintTop\_toBottomOf="@id/tvSum"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"/>  
  
 <TextView  
 android:id="@+id/tvSum"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=""  
 android:textSize="20sp"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvSecondNumber"/>  
  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Mainactivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText firstNumber;  
 EditText secondNumber;  
 Button add;  
 TextView tvSum;  
 int sum;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 firstNumber= findViewById(R.id.*etFirstNumber*);  
 secondNumber = findViewById(R.id.*etSecondNumber*);  
 add = findViewById(R.id.*btAdd*);  
 tvSum = findViewById(R.id.*tvSum*);  
 tvSum.setVisibility(View.*GONE*);  
  
 add.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if (firstNumber.getText().length()!= 0 || secondNumber.getText().length() != 0){  
 sum = Integer.*parseInt*(firstNumber.getText().toString()) + Integer.*parseInt*(secondNumber.getText().toString());  
 tvSum.setVisibility(View.*VISIBLE*);  
 tvSum.setText("The sum is " + sum);  
 }  
 else {  
 tvSum.setVisibility(View.*GONE*);  
 }  
 }  
 });  
  
 }  
}

2……………………..

activity\_login\_form.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".LoginFormActivity">  
  
 <TextView  
 android:id="@+id/tvLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="LogIn"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"/>  
  
 <TextView  
 android:id="@+id/tvUserName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="UserName :"  
 android:textSize="18sp"  
 android:layout\_marginTop="50dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvLogin"/>  
  
  
 <EditText  
 android:id="@+id/etUserName"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@id/tvUserName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvUserName" />  
  
 <TextView  
 android:id="@+id/tvPassword"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Password :"  
 android:textSize="18sp"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etUserName"/>  
  
  
 <EditText  
 android:id="@+id/etPassword"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="30dp"  
 android:inputType="textPassword"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="@id/tvUserName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvPassword"/>  
  
 <TextView  
 android:id="@+id/tvResult"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="50dp"  
 android:text=""  
 android:textSize="20dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintTop\_toBottomOf="@id/etPassword"  
 app:layout\_constraintStart\_toStartOf="@id/tvUserName"  
 app:layout\_constraintEnd\_toEndOf="parent"/>  
  
 <Button  
 android:id="@+id/btLogin"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Login"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvResult"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

LoginFormActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class LoginFormActivity extends AppCompatActivity {  
  
 EditText userName;  
 EditText password;  
 Button login;  
 TextView tvResult;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_login\_form*);  
  
 userName = findViewById(R.id.*etUserName*);  
 password = findViewById(R.id.*etPassword*);  
 login = findViewById(R.id.*btLogin*);  
 tvResult = findViewById(R.id.*tvResult*);  
 tvResult.setVisibility(View.*GONE*);  
  
 login.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 if (userName.getText().length() != 0 || password.getText().length() != 0) {  
 tvResult.setVisibility(View.*VISIBLE*);  
 tvResult.setText("Username is " + userName.getText().toString() + " and Password is " + password.getText().toString());  
 } else {  
 tvResult.setVisibility(View.*GONE*);  
 }  
 }  
 });

}  
}

3…………………….

activity\_personal\_detail.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".LoginFormActivity">  
  
 <TextView  
 android:id="@+id/tvDetail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Personal Detail"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:layout\_marginTop="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"/>  
  
 <TextView  
 android:id="@+id/tvName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name :"  
 android:textSize="18sp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvDetail"/>  
  
  
 <EditText  
 android:id="@+id/etName"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvName" />  
  
 <TextView  
 android:id="@+id/tvAddress"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Address :"  
 android:textSize="18sp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etName"/>  
  
  
 <EditText  
 android:id="@+id/etAddress"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvAddress"/>  
  
 <TextView  
 android:id="@+id/tvEmail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Email :"  
 android:textSize="18sp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etAddress"/>  
  
  
 <EditText  
 android:id="@+id/etEmail"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@id/tvEmail"  
 app:layout\_constraintTop\_toBottomOf="@id/tvEmail" />  
  
 <TextView  
 android:id="@+id/tvPhoneNumber"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Phone Number :"  
 android:textSize="18sp"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etEmail"/>  
  
  
 <EditText  
 android:id="@+id/etPhoneNumber"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvPhoneNumber"/>  
  
  
  
 <TextView  
 android:id="@+id/tvPanNumber"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Pan Number :"  
 android:textSize="18sp"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etPhoneNumber"/>  
  
  
 <EditText  
 android:id="@+id/etPanNumber"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvPanNumber"/>  
  
 <TextView  
 android:id="@+id/tvResult"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="30dp"  
 android:textStyle="bold"  
 android:textSize="22dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintTop\_toBottomOf="@id/etPanNumber"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintEnd\_toEndOf="parent"/>  
  
 <Button  
 android:id="@+id/btDisplay"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Display"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvResult"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

PersonalDetailActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class PersonalDetailActivity extends AppCompatActivity {  
  
 EditText name;  
 EditText address;  
 EditText email;  
 EditText phoneNumber;  
 EditText panNumber;  
 Button display;  
 TextView tvResult;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_personal\_detail*);  
  
 name = findViewById(R.id.*etName*);  
 address = findViewById(R.id.*etAddress*);  
 email = findViewById(R.id.*etEmail*);  
 phoneNumber = findViewById(R.id.*etPhoneNumber*);  
 panNumber = findViewById(R.id.*etPanNumber*);  
 display = findViewById(R.id.*btDisplay*);  
 tvResult = findViewById(R.id.*tvResult*);  
  
 display.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 tvResult.setText("Name: " + name.getText().toString() + "\n" +"Address: " + address.getText().toString() + "\n" + "Email: " + email.getText().toString() + "\n" +"Phone Number: " + phoneNumber.getText().toString()+ "\n" +"Pan Number: " + panNumber.getText().toString());  
 }  
 });  
 }  
}

4…………………………

activity\_largest\_number.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">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="25dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textStyle="bold"  
 android:text="Check the Largest between three number"  
 android:textAlignment="center"/>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_marginTop="10dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="10dp"  
 android:text="Enter First Number :" />  
  
 <EditText  
 android:id="@+id/firstNumber"  
 android:layout\_width="264dp"  
 android:layout\_marginTop="10dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="15dp"  
 android:hint="enter number "  
 android:inputType="number"  
 />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_marginStart="10dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter Second Number :" />  
  
 <EditText  
 android:id="@+id/secondNumber"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:hint="enter number"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_marginStart="10dp"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:text="Enter Third Number :" />  
  
 <EditText  
 android:id="@+id/thirdNumber"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:hint="enter number"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="50dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="10dp"  
 android:text="Check Largest Number"  
 android:id="@+id/check"  
 />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text=""  
 android:layout\_marginStart="15dp"  
 android:layout\_marginTop="10dp"  
 android:id="@+id/largestNumber"  
 />  
  
  
  
</LinearLayout>

LargestNumberActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class LargestNumberActivity extends AppCompatActivity {  
  
 Button check;  
 EditText firstNumber, secondNumber, thirdNumber;  
 TextView largestNumber;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_largest\_number*);  
  
 check = findViewById(R.id.*check*);  
 firstNumber = findViewById(R.id.*firstNumber*);  
 secondNumber = findViewById(R.id.*secondNumber*);  
 thirdNumber = findViewById(R.id.*thirdNumber*);  
  
 largestNumber = findViewById(R.id.*largestNumber*);  
  
 check.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int x = Integer.*parseInt*(String.*valueOf*(firstNumber.getText()));  
 int y = Integer.*parseInt*(String.*valueOf*(secondNumber.getText()));  
 int z = Integer.*parseInt*(String.*valueOf*(thirdNumber.getText()));  
  
 if(x > y && x > z){  
 largestNumber.setText(x+ " is the largest number.");  
 }else if (y> x && y > z){  
 largestNumber.setText(y+" is the largest number.");  
 }else {  
 largestNumber.setText(z+ " is the largest number.");  
 }  
  
  
  
  
 }  
 });  
 }  
  
}

5………………………..

activity\_average\_number.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">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Average Number"  
 android:layout\_marginTop="25dp"  
 android:textAlignment="center"  
 android:textStyle="bold"/>  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:layout\_marginStart="15dp"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter First Number :" />  
  
 <EditText  
 android:id="@+id/n1"  
 android:layout\_width="264dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="15dp"  
 android:inputType="number"  
 />  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="15dp"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter Second Number :" />  
  
 <EditText  
 android:id="@+id/n2"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="15dp"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 android:text="Enter Third Number :" />  
  
 <EditText  
 android:id="@+id/n3"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="15dp"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter Fourth Number :" />  
  
 <EditText  
 android:id="@+id/n4"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginStart="15dp"  
 android:orientation="horizontal">  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter Fifth Number :" />  
  
 <EditText  
 android:id="@+id/n5"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:inputType="number"  
 />  
 </LinearLayout>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="50dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="10dp"  
 android:text="Calculate Average Number"  
 android:id="@+id/sum"  
 />  
  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:text=""  
 android:layout\_marginStart="15dp"  
 android:layout\_marginTop="10dp"  
 android:id="@+id/res"  
 />  
  
  
  
</LinearLayout>

AverageNumberActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class AverageNumberActivity extends AppCompatActivity {  
  
 Button sum;  
 EditText n1, n2, n3, n4, n5;  
 TextView res;  
  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_average\_number*);  
  
 sum = findViewById(R.id.*sum*);  
 n1 = findViewById(R.id.*n1*);  
 n2 = findViewById(R.id.*n2*);  
 n3 = findViewById(R.id.*n3*);  
 n4 = findViewById(R.id.*n4*);  
 n5 = findViewById(R.id.*n5*);  
  
 res = findViewById(R.id.*res*);  
  
 sum.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int a = Integer.*parseInt*(String.*valueOf*(n1.getText()));  
 int b = Integer.*parseInt*(String.*valueOf*(n2.getText()));  
 int c = Integer.*parseInt*(String.*valueOf*(n3.getText()));  
 int d = Integer.*parseInt*(String.*valueOf*(n4.getText()));  
 int e = Integer.*parseInt*(String.*valueOf*(n5.getText()));  
  
 int result = (a + b + c + d + e) / 5;  
  
 res.setText("The average of 5 different number is " + result);  
  
  
 }  
 });  
  
 }  
  
}

6………………..

activity\_check\_prime.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:layout\_marginStart="30dp"  
 android:orientation="vertical">  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:text="Check Prime number Or Not"  
 android:textStyle="bold"  
 android:layout\_marginTop="20dp"  
 android:textAlignment="center">  
  
 </TextView>  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Enter Number :" />  
  
 <EditText  
 android:id="@+id/n1"  
 android:layout\_width="264dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="15dp"  
 android:hint="enter number "  
 android:inputType="number" />  
  
 </LinearLayout>  
  
 <Button  
 android:id="@+id/sum"  
 android:layout\_width="200dp"  
 android:layout\_height="50dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="10dp"  
 android:text="Check Prime" />  
  
 <TextView  
 android:id="@+id/res"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="10dp"  
 android:text="" />  
  
</LinearLayout>

CheckPrimeActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class CheckPrimeActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_check\_prime*);  
  
 Button sum;  
 EditText n1;  
 TextView res;  
 sum = findViewById(R.id.*sum*);  
 n1 = findViewById(R.id.*n1*);  
  
  
 res = findViewById(R.id.*res*);  
  
 sum.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 int flag = 0;  
 if (n1.getText().toString().length() != 0 ) {  
 int num = Integer.*parseInt*(String.*valueOf*(n1.getText()));  
 for (int i = 2; i <= num / 2; i++) {  
 if (num % i == 0) {  
 res.setText(num + " is composite number");  
 flag = 1;  
 }  
 }  
 if (flag == 0) {  
 res.setText(num + " is prime number");  
 }  
 }  
 }  
 });  
 }  
}

7……………………..

activity\_check\_compound\_interest.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:padding="20dp"  
 android:orientation="vertical">  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
 <TextView  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:textAlignment="center"  
 android:text="Check Compound Interest"  
 android:textStyle="bold"  
 />  
  
</LinearLayout>  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="20dp"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Principal Amount :" />  
  
 <EditText  
 android:id="@+id/n1"  
 android:layout\_width="264dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="15dp"  
 android:hint="enter number "  
 android:inputType="number" />  
  
 </LinearLayout>  
  
  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Annual Rate of Interest :" />  
  
 <EditText  
 android:id="@+id/n2"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:hint="enter number"  
 android:inputType="number" />  
  
 </LinearLayout>  
  
  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Time Period :" />  
  
 <EditText  
 android:id="@+id/n4"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:hint="enter number"  
 android:inputType="number" />  
  
 </LinearLayout>  
  
  
  
  
 <LinearLayout  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:orientation="horizontal">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Number of Times :" />  
  
 <EditText  
 android:id="@+id/n3"  
 android:layout\_width="256dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="5dp"  
 android:hint="enter number"  
 android:inputType="number" />  
  
 </LinearLayout>  
  
 <Button  
 android:id="@+id/sum"  
 android:layout\_width="350dp"  
 android:layout\_height="50dp"  
 android:layout\_gravity="center"  
 android:layout\_marginTop="10dp"  
 android:text="Calculate Compound Interest" />  
  
 <TextView  
 android:id="@+id/res"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:layout\_marginTop="10dp"  
 android:text="" />  
  
</LinearLayout>

CheckCompoundInterestActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class CheckCompoundInterestActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_check\_compound\_interest*);  
 Button sum;  
 EditText n1, n2, n3, n4;  
 TextView res;  
 sum = findViewById(R.id.*sum*);  
 n1 = findViewById(R.id.*n1*);  
 n2 = findViewById(R.id.*n2*);  
 n3 = findViewById(R.id.*n3*);  
 n4 = findViewById(R.id.*n4*);  
  
 res = findViewById(R.id.*res*);  
  
 sum.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View view) {  
 double p = Double.*parseDouble*(String.*valueOf*(n1.getText()));  
 double r = Double.*parseDouble*(String.*valueOf*(n2.getText()));  
 double t = Double.*parseDouble*(String.*valueOf*(n3.getText()));  
 double n = Double.*parseDouble*(String.*valueOf*(n4.getText()));  
  
 double ci = p \* Math.*pow*(1 + (r/n), (n\*t)) - p;  
  
 res.setText("Compound Interest = "+ci);  
  
  
  
  
  
  
 }  
 });  
 }  
}

8…………..

Activity\_passing\_information.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".LoginFormActivity">  
  
 <TextView  
 android:id="@+id/tvDetail"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Passing Personal Detail"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:layout\_marginTop="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"/>  
  
 <TextView  
 android:id="@+id/tvName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name :"  
 android:textSize="18sp"  
 android:layout\_marginTop="30dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/tvDetail"/>  
  
  
 <EditText  
 android:id="@+id/etName"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.0"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvName" />  
  
 <TextView  
 android:id="@+id/tvAddress"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Address :"  
 android:textSize="18sp"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginStart="30dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etName"/>  
  
  
 <EditText  
 android:id="@+id/etAddress"  
 android:layout\_width="0dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="5dp"  
 android:layout\_marginEnd="30dp"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="@id/tvName"  
 app:layout\_constraintTop\_toBottomOf="@id/tvAddress"/>  
  
  
 <Button  
 android:id="@+id/btDisplay"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Display"  
 android:layout\_marginTop="50dp"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintTop\_toBottomOf="@id/etAddress"/>  
  
</androidx.constraintlayout.widget.ConstraintLayout>

PassingInformationActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class PassingInformationActivity extends AppCompatActivity {  
  
 EditText name;  
 EditText address;  
 Button display;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_passing\_information*);  
 name = findViewById(R.id.*etName*);  
 address = findViewById(R.id.*etAddress*);  
 display = findViewById(R.id.*btDisplay*);  
  
  
 display.setOnClickListener(new View.OnClickListener() {  
 @Override  
 public void onClick(View v) {  
 Intent intent = new Intent(getApplicationContext(), DisplayInformationActivity.class);  
 intent.putExtra("name", name.getText().toString());  
 intent.putExtra("address", address.getText().toString());  
 startActivity(intent);  
  
 }  
 });  
 }  
}

activity\_display\_information.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">  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="50dp">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Name :"  
 android:layout\_marginStart="50dp"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:id="@+id/name"  
 />  
  
 </LinearLayout>  
  
 <LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Address :"  
 android:layout\_marginTop="15dp"  
 android:layout\_marginStart="50dp"  
 android:textSize="20sp"  
 android:textStyle="bold"  
 android:id="@+id/address"/>  
  
 </LinearLayout>  
</LinearLayout>

DisplayInformationActivity.java

package com.example.mobileapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class DisplayInformationActivity extends AppCompatActivity {  
  
 TextView name;  
 TextView address;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_display\_information*);  
  
 name = findViewById(R.id.*name*);  
 address = findViewById(R.id.*address*);  
 Intent intent = getIntent();  
 if (intent != null) {  
 name.setText("Name : " + intent.getStringExtra("name"));  
 address.setText("Address : " + intent.getStringExtra("address"));  
 }  
 }  
}