1. Simple Calculator
2. <?*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"  
   *android:background*="#9DDCD6"  
   *tools:context*=".MainActivity">  
     
   <TextView  
   *android:id*="@+id/textView2"  
   *android:layout\_width*="320dp"  
   *android:layout\_height*="61dp"  
   *android:background*="@color/purple\_700"  
   *android:text*=" Calculator"  
   *android:textAlignment*="center"  
   *android:textColor*="#CDEACA"  
   *android:textSize*="48sp"  
   *android:textStyle*="bold|italic"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.434"  
   *app:layout\_constraintLeft\_toLeftOf*="parent"  
   *app:layout\_constraintRight\_toRightOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.071" />  
     
   <Button  
   *android:id*="@+id/ADD"  
   *android:layout\_width*="114dp"  
   *android:layout\_height*="61dp"  
   *android:text*="ADD"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.131"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.574" />  
     
   <Button  
   *android:id*="@+id/SUB"  
   *android:layout\_width*="96dp"  
   *android:layout\_height*="69dp"  
   *android:text*="SUB"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.888"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.581"  
   *tools:ignore*="MissingConstraints" />  
     
   <Button  
   *android:id*="@+id/MUL"  
   *android:layout\_width*="104dp"  
   *android:layout\_height*="60dp"  
   *android:text*="MUL"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.159"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.758"  
   *tools:ignore*="MissingConstraints" />  
     
   <Button  
   *android:id*="@+id/DIV"  
   *android:layout\_width*="102dp"  
   *android:layout\_height*="60dp"  
   *android:text*="DIV"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.886"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.758"  
   *tools:ignore*="MissingConstraints" />  
     
   <EditText  
   *android:id*="@+id/t1"  
   *android:layout\_width*="wrap\_content"  
   *android:layout\_height*="wrap\_content"  
   *android:backgroundTint*="#07F411"  
   *android:ems*="10"  
   *android:hint*="Enter T1 :"  
   *android:inputType*="textPersonName"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.21"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.24"  
   *tools:ignore*="MissingConstraints" />  
     
   <EditText  
   *android:id*="@+id/t2"  
   *android:layout\_width*="wrap\_content"  
   *android:layout\_height*="wrap\_content"  
   *android:backgroundTint*="#04F60E"  
   *android:ems*="10"  
   *android:hint*="Enter T2 :"  
   *android:inputType*="textPersonName"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.21"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.367"  
   *tools:ignore*="MissingConstraints" />  
     
   <EditText  
   *android:id*="@+id/res"  
   *android:layout\_width*="337dp"  
   *android:layout\_height*="78dp"  
   *android:ems*="10"  
   *android:hint*="Result"  
   *android:inputType*="textPersonName"  
   *android:textSize*="24sp"  
   *app:layout\_constraintBottom\_toBottomOf*="parent"  
   *app:layout\_constraintEnd\_toEndOf*="parent"  
   *app:layout\_constraintHorizontal\_bias*="0.586"  
   *app:layout\_constraintStart\_toStartOf*="parent"  
   *app:layout\_constraintTop\_toTopOf*="parent"  
   *app:layout\_constraintVertical\_bias*="0.912"  
   *tools:ignore*="MissingConstraints" />  
     
   </androidx.constraintlayout.widget.ConstraintLayout>

Java code

*package* com.example.simplecalci;  
  
*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* MainActivity*extends* AppCompatActivity{  
EditTextt1,t2,t3;  
  
Button ADD,SUB,MUL,DIV;  
@Override  
*protected void* onCreate(Bundle savedInstanceState) {  
*super*.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
  
t1 = (EditText) findViewById(R.id.*t1*);  
t2 = (EditText) findViewById(R.id.*t2*);  
t3 = (EditText) findViewById(R.id.*res*);  
ADD = (Button) findViewById(R.id.*ADD*);  
SUB = (Button) findViewById(R.id.*SUB*);  
MUL = (Button) findViewById(R.id.*MUL*);  
DIV = (Button) findViewById(R.id.*DIV*);  
  
ADD.setOnClickListener(*new* View.OnClickListener() {  
@Override  
*public void* onClick(View v) {  
String v1 = t1.getText().toString();  
String v2 = t2.getText().toString();  
*int* a = Integer.*parseInt*(v1);  
*int* b = Integer.*parseInt*(v2);  
*int* c = a + b;  
t3.setText("Result=" + c);  
 }  
 });  
  
SUB.setOnClickListener(*new* View.OnClickListener() {  
*public void* onClick(View v) {  
String v1 = t1.getText().toString();  
String v2 = t2.getText().toString();  
*int* a = Integer.*parseInt*(v1);  
*int* b = Integer.*parseInt*(v2);  
*int* c = a - b;  
t3.setText("Result=" + c);  
 }  
 });  
  
MUL.setOnClickListener(*new* View.OnClickListener() {  
*public void* onClick(View v) {  
String v1 = t1.getText().toString();  
String v2 = t2.getText().toString();  
*int* a = Integer.*parseInt*(v1);  
*int* b = Integer.*parseInt*(v2);  
*int* c = a \* b;  
t3.setText("Result=" + c);  
 }  
 });  
  
DIV.setOnClickListener(*new* View.OnClickListener() {  
*public void* onClick(View v) {  
String v1 = t1.getText().toString();  
String v2 = t2.getText().toString();  
*int* a = Integer.*parseInt*(v1);  
*int* b = Integer.*parseInt*(v2);  
*if*(b!=0){  
*int* c = a / b;  
t3.setText("Result=" + c);  
 }  
*else*t3.setText("Result=" + " Infinity");}  
 });  
 }  
}

Buisness app

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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/textView"  
android:layout\_width="468dp"  
android:layout\_height="176dp"  
android:rotationX="17"  
android:rotationY="4"  
android:text="@string/munch"  
android:textAlignment="center"  
android:textColor="#300101"  
android:textSize="50sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.096" />  
  
<ImageView  
android:id="@+id/imageView"  
android:layout\_width="435dp"  
android:layout\_height="181dp"  
android:contentDescription="@string/todo"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.313"  
app:srcCompat="@drawable/tango" />  
  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="756dp"  
android:layout\_height="131dp"  
android:text="Munch is a canteeen in new horizon college of engineering.This is a place where students like to spend their time during lunch break and in their free time by having food."  
android:textAlignment="center"  
android:textColor="#78909C"  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.462"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.732" />  
  
<TextView  
android:id="@+id/textView4"  
android:layout\_width="424dp"  
android:layout\_height="52dp"  
android:text="@string/description"  
android:textAlignment="center"  
android:textColor="#757575"  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.472"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.596" />  
  
<EditText  
android:id="@+id/editTextTextEmailAddress"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textEmailAddress"  
android:minHeight="48dp"  
android:text="[ranjitha754@gmail.com](mailto:ranjitha754@gmail.com)"  
android:textAlignment="center"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.107"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.908" />  
  
<TextView  
android:id="@+id/textView3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="16dp"  
android:text="num:961124445"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.194"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

JAVA CODE:

package com.example.lab2\_res;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState)

{ super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main); } }

3 Visiting card

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="#090000"  
tools:context=".MainActivity">  
  
<androidx.cardview.widget.CardView  
android:id="@+id/cardView"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content" />  
  
<androidx.cardview.widget.CardView  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content" />  
  
<TextView  
android:id="@+id/textView4"  
android:layout\_width="250dp"  
android:layout\_height="59dp"  
android:background="#F68E87"  
android:text="CLOTHINA"  
android:textAlignment="center"  
android:textColor="#AD1457"  
android:textSize="34sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.144"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.043" />  
  
<TextView  
android:id="@+id/textView5"  
android:layout\_width="223dp"  
android:layout\_height="25dp"  
android:background="#D56161"  
android:text="geethasree"  
android:textAlignment="center"  
android:textColor="#FAF5F5"  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.34"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.344" />  
  
<TextView  
android:id="@+id/textView7"  
android:layout\_width="163dp"  
android:layout\_height="19dp"  
android:background="#F1C9D7"  
android:text="FASHION DESIGNER"  
android:textAlignment="center"  
android:textColor="#FF5722"  
android:textSize="16sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.439"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.4" />  
  
<TextView  
android:id="@+id/textView8"  
android:layout\_width="345dp"  
android:layout\_height="115dp"  
android:background="#FBD7D7"  
android:text="ADDRESS : CLOTHINA , \nFASHION SQUARE 2 ND FLOOR MG NAGAR BANGALORE - 560100 \n EMAIL ID : [sofiyaclothina@gmail.com](mailto:sofiyaclothina@gmail.com)\nwww.clothina@fashionboutique"  
android:textAlignment="gravity"  
android:textColor="#F44336"  
android:textSize="16sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.748" />  
  
<ImageView  
android:id="@+id/imageView"  
android:layout\_width="130dp"  
android:layout\_height="99dp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.484"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.179"  
app:srcCompat="@drawable/pic" />  
  
<ImageView  
android:id="@+id/imageView2"  
android:layout\_width="88dp"  
android:layout\_height="108dp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.992"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.0"  
app:srcCompat="@drawable/pic2" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="294dp"  
android:layout\_height="35dp"  
android:background="#F3C9D7"  
android:text="CONTACT NUMBER : 767676537653 \n "  
android:textColor="#F44336"  
android:textSize="16sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
</androidx.constraintlayout.widget.ConstraintLayout>

1. Unit convertor

<?*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"  
*android:background*="#F1F2F3"  
*android:backgroundTint*="#B9F3E4"  
*tools:context*=".MainActivity">  
  
<TextView  
*android:id*="@+id/textView"  
*android:layout\_width*="329dp"  
*android:layout\_height*="64dp"  
*android:fontFamily*="cursive"  
*android:text*="Unit converter"  
*android:textAlignment*="center"  
*android:textColor*="#10EAC5"  
*android:textSize*="48sp"  
*android:textStyle*="bold"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintLeft\_toLeftOf*="parent"  
*app:layout\_constraintRight\_toRightOf*="parent"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toTopOf*="parent"  
*app:layout\_constraintVertical\_bias*="0.06" />  
  
<RadioGroup  
*android:id*="@+id/radioGroup"  
*android:layout\_width*="224dp"  
*android:layout\_height*="241dp"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintHorizontal\_bias*="0.631"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.365">  
  
<RadioButton  
*android:id*="@+id/r1"  
*android:layout\_width*="match\_parent"  
*android:layout\_height*="wrap\_content"  
*android:text*="CM to M"  
*android:textColor*="#EC1085"  
*android:textSize*="24sp"  
*android:textStyle*="italic" />  
  
<RadioButton  
*android:id*="@+id/r2"  
*android:layout\_width*="match\_parent"  
*android:layout\_height*="wrap\_content"  
*android:text*="M to CM"  
*android:textColor*="#F40B88"  
*android:textSize*="24sp"  
*android:textStyle*="italic" />  
  
<RadioButton  
*android:id*="@+id/r3"  
*android:layout\_width*="184dp"  
*android:layout\_height*="wrap\_content"  
*android:text*="Feet to Inch"  
*android:textColor*="#F8188F"  
*android:textSize*="24sp"  
*android:textStyle*="italic" />  
  
<RadioButton  
*android:id*="@+id/r4"  
*android:layout\_width*="match\_parent"  
*android:layout\_height*="wrap\_content"  
*android:text*="Inch to Feet"  
*android:textColor*="#EC1788"  
*android:textSize*="24sp"  
*android:textStyle*="italic" />  
</RadioGroup>  
  
<TextView  
*android:id*="@+id/res"  
*android:layout\_width*="168dp"  
*android:layout\_height*="42dp"  
*android:textColor*="#8441D6"  
*android:textSize*="20sp"  
*android:textStyle*="bold"  
*app:layout\_constraintBottom\_toTopOf*="@+id/radioGroup"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintHorizontal\_bias*="0.941"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.495" />  
  
<TextView  
*android:id*="@+id/ans"  
*android:layout\_width*="225dp"  
*android:layout\_height*="57dp"  
*android:textAlignment*="center"  
*android:textColor*="#7E2CE1"  
*android:textSize*="20sp"  
*android:textStyle*="bold"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/radioGroup" />  
  
<Button  
*android:id*="@+id/button1"  
*android:layout\_width*="wrap\_content"  
*android:layout\_height*="wrap\_content"  
*android:text*="CONVERT"  
*android:textAlignment*="center"  
*app:layout\_constraintBottom\_toTopOf*="@+id/ans"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintHorizontal\_bias*="0.498"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/radioGroup"  
*app:layout\_constraintVertical\_bias*="0.421" />  
  
<EditText  
*android:id*="@+id/input1"  
*android:layout\_width*="153dp"  
*android:layout\_height*="48dp"  
*android:ems*="10"  
*android:hint*="Enter unit"  
*android:inputType*="number"  
*android:textColor*="#F33A3A"  
*android:textSize*="20sp"  
*app:layout\_constraintBottom\_toTopOf*="@+id/radioGroup"  
*app:layout\_constraintEnd\_toStartOf*="@+id/res"  
*app:layout\_constraintHorizontal\_bias*="1.0"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.462" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

*package* com.example.unit\_conversion;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.provider.MediaStore;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.RadioButton;  
*import* android.widget.TextView;  
*import* android.widget.Toast;  
  
*import* org.w3c.dom.*Text*;  
  
*public class* MainActivity*extends* AppCompatActivity{  
EditTextt1;  
TextViewa1,a2;  
RadioButtonr1,r2,r3,r4;  
Button b1;  
@Override  
*protected void* onCreate(Bundle savedInstanceState) {  
*super*.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
  
t1=(EditText) findViewById(R.id.*input1*);  
a1=(TextView) findViewById(R.id.*res*);  
a2=(TextView) findViewById(R.id.*ans*);  
r1=(RadioButton) findViewById(R.id.*r1*);  
r2=(RadioButton) findViewById(R.id.*r2*);  
r3=(RadioButton) findViewById(R.id.*r3*);  
r4=(RadioButton) findViewById(R.id.*r4*);  
b1=(Button) findViewById(R.id.*button1*);  
  
b1.setOnClickListener(*new* View.OnClickListener() {  
@Override  
*public void* onClick(View v) {  
String a=t1.getText().toString();  
*float* m=Float.*parseFloat*(a);  
*float* ans1;  
*if*(r1.isChecked())  
 {  
ans1=m/100;  
a1.setText("Result="+ans1);  
a2.setText(m+"cm="+ans1+"m");  
 }  
*else if*(r2.isChecked())  
 {  
ans1=m\*100;  
a1.setText("Result="+ans1);  
a2.setText(m+"m="+ans1+"cm");  
 }  
*else if*(r3.isChecked())  
 {  
ans1=m\*12;  
a1.setText("Result="+ans1);  
a2.setText(m+"feet="+ans1+"inch");  
 }  
*else if*(r4.isChecked())  
 {  
ans1=m/12;  
a1.setText("Result="+ans1);  
a2.setText(m+"inch="+ans1+"feet");  
 }  
*else*Toast.*makeText*(MainActivity.*this*, "Choose any one radio button",Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 }  
}

1. Currency converter

<?*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"  
*android:background*="@drawable/b4"  
*tools:context*=".MainActivity">  
  
<TextView  
*android:id*="@+id/textView"  
*android:layout\_width*="380dp"  
*android:layout\_height*="65dp"  
*android:fontFamily*="cursive"  
*android:text*="Currency converter"  
*android:textAlignment*="center"  
*android:textColor*="#8128EF"  
*android:textSize*="48sp"  
*android:textStyle*="bold"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintLeft\_toLeftOf*="parent"  
*app:layout\_constraintRight\_toRightOf*="parent"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toTopOf*="parent"  
*app:layout\_constraintVertical\_bias*="0.06" />  
  
<TextView  
*android:id*="@+id/ans"  
*android:layout\_width*="244dp"  
*android:layout\_height*="53dp"  
*android:layout\_marginBottom*="88dp"  
*android:textAlignment*="center"  
*android:textColor*="#E1288A"  
*android:textSize*="24sp"  
*android:textStyle*="bold"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintHorizontal\_bias*="0.532"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.981" />  
  
<Button  
*android:id*="@+id/button1"  
*android:layout\_width*="wrap\_content"  
*android:layout\_height*="wrap\_content"  
*android:text*="CONVERT"  
*android:textAlignment*="center"  
*app:layout\_constraintBottom\_toTopOf*="@+id/ans"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintHorizontal\_bias*="0.498"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.928" />  
  
<EditText  
*android:id*="@+id/input1"  
*android:layout\_width*="153dp"  
*android:layout\_height*="48dp"  
*android:ems*="10"  
*android:hint*="Enter unit"  
*android:inputType*="number"  
*android:textColor*="#F33A3A"  
*android:textSize*="24sp"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toBottomOf*="@+id/textView"  
*app:layout\_constraintVertical\_bias*="0.122" />  
  
<Spinner  
*android:id*="@+id/spinner1"  
*android:layout\_width*="234dp"  
*android:layout\_height*="52dp"  
*android:background*="#CF9F7A"  
*android:entries*="@array/choice"  
*app:layout\_constraintBottom\_toBottomOf*="parent"  
*app:layout\_constraintEnd\_toEndOf*="parent"  
*app:layout\_constraintStart\_toStartOf*="parent"  
*app:layout\_constraintTop\_toTopOf*="parent" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

*package* com.example.currency;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.EditText;  
*import* android.widget.Spinner;  
*import* android.widget.TextView;  
*import* android.widget.Toast;  
  
*public class* MainActivity*extends* AppCompatActivity{  
EditTextt1;  
TextViewv1,v2;  
Button b1;  
Spinner s1;  
@Override  
*protected void* onCreate(Bundle savedInstanceState) {  
*super*.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
  
t1=(EditText) findViewById(R.id.*input1*);  
  
v2=(TextView)findViewById(R.id.*ans*);  
b1=(Button) findViewById(R.id.*button1*);  
s1=(Spinner) findViewById(R.id.*spinner1*);  
  
b1.setOnClickListener(*new* View.OnClickListener() {  
@Override  
*public void* onClick(View v) {  
String a=t1.getText().toString();  
*float* rup=Float.*parseFloat*(a);  
*int* x=s1.getSelectedItemPosition();  
*double* num1=0;  
*if*(x==1)  
 {  
num1=rup/74.77;  
  
v2.setText(rup+"rupees="+num1+"dollars");  
 }  
*else if*(x==2)  
 {  
num1=rup\*74.77;  
  
v2.setText(rup+"dollars="+num1+"rupees");  
 }  
*else if*(x==3)  
 {  
num1=rup/0.66;  
  
v2.setText(rup+"rupees="+num1+"yen");  
 }  
*else if*(x==4)  
 {  
num1=rup\*0.66;  
  
v2.setText(rup+"yen="+num1+"rupees");  
 }  
*else if*(x==5)  
 {  
num1=rup/0.064;  
  
v2.setText(rup+"rupees="+num1+"Korean Won");  
 }  
*else if*(x==6)  
 {  
num1=rup\*0.064;  
v2.setText(rup+"Korean Won="+num1+"rupees");  
 }  
*else*Toast.*makeText*(MainActivity.*this*,"Select from spinner",Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

<resources>  
<string *name*="app\_name">Currency converter</string>  
<string-array *name*="choice">  
<item>Select</item>  
<item>Rupee to dollar</item>  
<item>Dollar to Rupee</item>  
<item>Rupee to Yen</item>  
<item>Yen to Rupee</item>  
<item>Rupee to Korean Won</item>  
<item>Korean Won to Rupee</item>  
</string-array>  
</resources>

1. Login page

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="@drawable/img"  
tools:context=".MainActivity">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="298dp"  
android:layout\_height="84dp"  
android:text="LOGIN PAGE"  
android:textAlignment="center"  
android:textColor="#077DC5"  
android:textSize="48sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.496"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.073" />  
  
<EditText  
android:id="@+id/editTextTextPersonName"  
android:layout\_width="263dp"  
android:layout\_height="65dp"  
android:ems="10"  
android:hint="USER ID"  
android:inputType="textPersonName"  
android:textAlignment="center"  
android:textAllCaps="false"  
android:textColor="#035023"  
android:textColorHint="#07130C"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.459"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="219dp"  
android:layout\_height="68dp"  
  
android:background="@drawable/img"  
android:backgroundTint="#E66262"  
android:backgroundTintMode="add"  
android:text="LOGIN IN"  
android:textColor="#EDC5A7"  
android:textColorLink="#C38686"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.806" />  
  
<EditText  
android:id="@+id/editTextTextPassword"  
android:layout\_width="257dp"  
android:layout\_height="61dp"  
android:ems="10"  
android:hint="PASSWORD"  
android:inputType="textPassword"  
android:textAlignment="center"  
android:textAllCaps="true"  
android:textColorHint="#030905"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.641" />  
  
<ImageView  
android:id="@+id/imageView"  
android:layout\_width="149dp"  
android:layout\_height="139dp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.261"  
app:srcCompat="@drawable/img\_1" />  
</androidx.constraintlayout.widget.ConstraintLayout>

main activity.java

package com.example.loginpage;  
  
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.Toast;  
  
import com.example.loginpage.R;  
import com.example.loginpage.Welcome;  
  
public class MainActivityextends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
EditTextuid,pwd;  
Button login;  
uid=(EditText) findViewById(R.id.*editTextTextPersonName*);  
pwd=(EditText) findViewById(R.id.*editTextTextPassword*);  
login=(Button) findViewById(R.id.*button*);  
login.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
if(uid.getText().toString().equals("Priyadharshini") &&pwd.getText().toString().equals("1NH18CS144"))  
 {  
  
Toast.*makeText*(getApplicationContext(), "LOGIN SUCCESSFULL", Toast.*LENGTH\_SHORT*).show();  
Intent i=new Intent(getApplicationContext(), Welcome.class);  
i.putExtra("USERNAME",uid.getText().toString());  
startActivity(i);  
}  
else  
Toast.*makeText*(getApplicationContext(), "THE USER ID OR PASSWORD IS INCORRECT", Toast.*LENGTH\_SHORT*).show();  
  
}  
 });  
}  
}

activity\_welcome.xml

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="@drawable/img"  
tools:context=".Welcome">  
  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="395dp"  
android:layout\_height="265dp"  
android:textColor="#DD2C00"  
android:textSize="34sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.542"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.859" />  
  
<ImageView  
android:id="@+id/imageView2"  
android:layout\_width="392dp"  
android:layout\_height="140dp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.653"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.112"  
app:srcCompat="@drawable/img\_2" />  
</androidx.constraintlayout.widget.ConstraintLayout>

welcome.java

package com.example.loginpage;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.widget.TextView;  
  
import com.example.loginpage.R;  
  
public class Welcome extends AppCompatActivity {  
TextViewtv;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_welcome*);  
Bundle b1 = getIntent().getExtras();  
String s1 = b1.getString("USERNAME");  
TextView tv;  
tv=(TextView) findViewById(R.id.*textView2*);  
tv.setText("LOGIN SUCCESSFULL WELCOME :"+s1);  
}  
}

1. Gallery and Dial prog

XML

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="#009688"  
tools:context=".MainActivity">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="143dp"  
android:layout\_height="63dp"  
android:text="enter mobileno:"  
android:textColor="#1C5263 "  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.101"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.137" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="155dp"  
android:layout\_height="56dp"  
android:backgroundTint="#1C5263 "  
android:text="Gallery "  
android:textSize="16sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.507"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.454" />  
  
<Button  
android:id="@+id/button2"  
android:layout\_width="153dp"  
android:layout\_height="51dp"  
android:backgroundTint="#1C5263 "  
android:text="DIAL"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.503"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.623" />  
  
<EditText  
android:id="@+id/et1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.845"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.142" />  
  
  
</androidx.constraintlayout.widget.ConstraintLayout>

Java code

package com.example.gallery\_ak;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ComponentName;  
import android.content.Intent;  
import android.net.Uri;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.provider.CallLog;  
import android.provider.MediaStore;  
import android.widget.EditText;  
  
public class MainActivityextends AppCompatActivity {  
 Button button,button2;  
EditTextet1;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
button = (Button)findViewById(R.id.*button*);  
button2 = (Button)findViewById(R.id.*button2*);  
et1 = (EditText)findViewById(R.id.*et1*);  
  
button.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 Intent intent = new Intent();  
intent.setAction(android.content.Intent.*ACTION\_VIEW*);  
intent.setData(Uri.*parse*("content://media/external/images/media"));  
startActivity(intent);  
}  
  
 });  
button2.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 Intent intent = new Intent();  
intent.setAction(Intent.*ACTION\_DIAL*);  
intent.setData(Uri.*parse*("tel:"+et1.getText()));  
startActivity(intent);  
  
}  
 });  
}  
}

1. toursist

MainactivityXML

*<?*xmlversion="1.0"encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"android:background="?android:attr/textColorLinkInverse"tools:context=".MainActivity">

<TextView

android:id="@+id/textView"android:layout\_width="197dp"android:layout\_height="119dp"android:text="WELCOME TO TOURIST SPOT"android:textAlignment="center"android:textSize="30sp"android:textStyle="bold"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintHorizontal\_bias="0.498"app:layout\_constraintLeft\_toLeftOf="parent"app:layout\_constraintRight\_toRightOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.178"/>

<Button

android:id="@+id/nxt\_btn"android:layout\_width="118dp"android:layout\_height="48dp"android:text="Next"android:textAlignment="center"android:textSize="24sp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"/>

<TextView

android:id="@+id/textView2"android:layout\_width="162dp"android:layout\_height="28dp"android:text="1NH17CS123"android:textAlignment="center"android:textSize="24sp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.498"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.73"/>

</androidx.constraintlayout.widget.ConstraintLayout>

* Home XML

*<?*xmlversion="1.0"encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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=".Home">

<TextView

android:id="@+id/textView3"android:layout\_width="326dp"android:layout\_height="73dp"android:text="Natural Tourist Spots in India"android:textAlignment="center"android:textColor="@color/colorPrimaryDark"android:textSize="24sp"android:textStyle="italic"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.496"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.087"/>

<ImageView

android:id="@+id/andaman\_img"android:layout\_width="259dp"android:layout\_height="140dp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.565"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.236"app:srcCompat="@drawable/andaman"/>

<ImageView

android:id="@+id/img\_jog"android:layout\_width="257dp"android:layout\_height="158dp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.558"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.532"app:srcCompat="@drawable/jog"/>

<ImageView

android:id="@+id/img\_dal"android:layout\_width="261dp"android:layout\_height="162dp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.573"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.878"app:srcCompat="@drawable/dal"/>

</androidx.constraintlayout.widget.ConstraintLayout>

## JAVACODE:

* MainJava

**package**com.example.touristspots;

**import**androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent;**import** android.os.Bundle;**import** android.view.View;**import**android.widget.Button;

**public class** MainActivity**extends** AppCompatActivity{Button**nxt\_btn**;

@Override

**protectedvoid**onCreate(BundlesavedInstanceState){**super**.onCreate(savedInstanceState);setContentView(R.layout.***activity\_main***);

**nxt\_btn**=(Button)findViewById(R.id.***nxt\_btn***);

**nxt\_btn**.setOnClickListener(**new** View.OnClickListener(){@Override

**publicvoid**onClick(Viewview){

Intent i = **new** Intent(getApplicationContext(), Home.**class**);startActivity(i);

}

});

}

}

* Homejava

**package**com.example.touristspots;

**import**androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent;**import**android.net.Uri;**import** android.os.Bundle;**import**android.view.View;

**import**android.widget.ImageView;

**import**android.widget.Toast;

**public class** Home **extends** AppCompatActivity{ImageView**img\_andaman**,**img\_jog**,**img\_dal**;@Override

**protectedvoid**onCreate(BundlesavedInstanceState){**super**.onCreate(savedInstanceState);setContentView(R.layout.***activity\_home***);

**img\_andaman**= (ImageView)findViewById(R.id.***andaman\_img***);**img\_jog**=(ImageView)findViewById(R.id.***img\_jog***);**img\_dal**=(ImageView)findViewById(R.id.***img\_dal***);

**img\_andaman**.setOnClickListener(**new** View.OnClickListener(){@Override

**publicvoid**onClick(Viewview){

Toast.*makeText*(getApplicationContext(),**"Andamanislands"**,Toast.***LENGTH\_SHORT***).show();

Stringurl="https://en.wikipedia.org/wiki/Andaman\_and\_Nicobar\_Islands";

Intent i1 = **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(url));startActivity(i1);

}

});

**img\_jog**.setOnClickListener(**new** View.OnClickListener(){@Override

**publicvoid**onClick(Viewview){

Toast.*makeText*(getApplicationContext(),**"Jog falls"**,Toast.***LENGTH\_SHORT***).show();

Stringurl=**"https://en.wikipedia.org/wiki/Jog\_Falls"**;Intent i2 = **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(url));startActivity(i2);

}

});

**img\_dal**.setOnClickListener(**new** View.OnClickListener(){@Override

**publicvoid**onClick(Viewview){

Toast.*makeText*(getApplicationContext(),**"Dal Lake"**,Toast.***LENGTH\_SHORT***).show();

Stringurl=**"https://en.wikipedia.org/wiki/Dal\_Lake"**;

Intent i3 = **new** Intent(Intent.***ACTION\_VIEW***, Uri.*parse*(url));startActivity(i3);

}

});

}

}

## MANIFEST FILE:

*<?*xmlversion="1.0"encoding="utf-8"*?>*

<manifestxmlns:android="<http://schemas.android.com/apk/res/android>"

package="com.example.touristspots">

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

<application

android:allowBackup="true"android:icon="@mipmap/ic\_launcher"android:label="@string/app\_name"android:roundIcon="@mipmap/ic\_launcher\_round"android:supportsRtl="true"android:theme="@style/AppTheme">

<activityandroid:name=".Home"></activity>

<activityandroid:name=".MainActivity">

<intent-filter>

<actionandroid:name="android.intent.action.MAIN"/>

<categoryandroid:name="android.intent.category.LAUNCHER"/>

</intent-filter>

</**activity**>

</**application**>

</**manifest**>

1. PLAY MUSIC IN BG

**XMLCODE:**

*<?*xmlversion="1.0"encoding="utf-8"*?>*

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"android:background="@android:color/holo\_red\_light"tools:context=".MainActivity">

<TextView

android:layout\_width="324dp"android:layout\_height="50dp"android:text="Music Player"android:textAlignment="center"android:textColor="@color/colorPrimaryDark"android:textSize="30sp"android:textStyle="bold"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintHorizontal\_bias="0.462"app:layout\_constraintLeft\_toLeftOf="parent"app:layout\_constraintRight\_toRightOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.054"/>

<TextView

android:id="@+id/textView"android:layout\_width="168dp"android:layout\_height="37dp"android:text="1NH17CS123"android:textAlignment="center"android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.806"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.899"/>

<Button

android:id="@+id/bt\_start"android:layout\_width="233dp"android:layout\_height="64dp"android:background="@android:color/holo\_green\_dark"android:text="START"

android:textSize="24sp"android:textStyle="bold"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.5"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"/>

<Button

android:id="@+id/bt\_stop"android:layout\_width="223dp"android:layout\_height="65dp"android:background="@android:color/holo\_red\_dark"android:text="STOP"android:textAlignment="center"android:textSize="24sp"

android:textStyle="bold"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintHorizontal\_bias="0.498"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.625"/>

<ImageView

android:id="@+id/imageView"android:layout\_width="195dp"android:layout\_height="190dp"app:layout\_constraintBottom\_toBottomOf="parent"app:layout\_constraintEnd\_toEndOf="parent"app:layout\_constraintStart\_toStartOf="parent"app:layout\_constraintTop\_toTopOf="parent"app:layout\_constraintVertical\_bias="0.219"app:srcCompat="@drawable/i1"/>

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVACODE:**

# MainActivityCode

**package**com.example.bgmplayer;

**import**androidx.appcompat.app.AppCompatActivity;

**import** android.content.Intent;**import** android.os.Bundle;**import** android.view.View;**import**android.widget.Button;

**publicclass**MainActivity**extends**AppCompatActivity**implements**

View.OnClickListener{

**private**Button**bt\_start**,**bt\_stop**;

@Override

**protected void** onCreate(Bundle savedInstanceState) {**super**.onCreate(savedInstanceState);setContentView(R.layout.***activity\_main***);**bt\_start**= (Button)findViewById(R.id.***bt\_start***);**bt\_stop**=(Button)findViewById(R.id.***bt\_stop***);

**bt\_start**.setOnClickListener((View.OnClickListener) **this**);**bt\_stop**.setOnClickListener((View.OnClickListener)**this**);

}

@Override

**publicvoid**onClick(Viewview){

**if**(view==**bt\_start**){

*//startingservice*

startService(**new**Intent(**this**,MediaService.**class**));

}

**elseif**(view==**bt\_stop**){

*//stoppingservice*

stopService(**new**Intent(**this**,MediaService.**class**));

}

}

}

# MediaService.java

**package**com.example.bgmplayer;

**import**android.app.Service;**import** android.content.Intent;**import** android.media.MediaPlayer;**import**android.os.IBinder;

**import**android.provider.Settings;

**import**androidx.annotation.Nullable;

**publicclass**MediaService**extends**Service{

**private** MediaPlayer**player**;@Nullable

@Override

**public**IBinderonBind(Intentintent){

returnnull;

}

**publicint**onStartCommand(Intentintent,**int**flags,**int**startId)

{

*player = MediaPlayer.create(this,Settings.System.DEFAULT\_RINGTONE\_URI);*

**//player**=MediaPlayer.*create*(**this**,R.raw.***song***);

**player**.setLooping(**true**);

*//staringtheplayer*

**player**.start();

*//startstickymeansservicewillbeexplicitystartedand*

**return*START\_STICKY***;

}

@Override

**publicvoid**onDestroy(){

**super**.onDestroy();

*//stoppingtheplayerwhenserviceisdestroyedplayer.stop();*

**player**.stop();

**}**

}

1. HOSPITAL DB
2. <?xml version="1.0" encoding="utf-8"?>  
   <androidx.constraintlayout.widget.ConstraintLayoutxmlns: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/textView"  
   android:layout\_width="389dp"  
   android:layout\_height="113dp"  
   android:fontFamily="@font/aclonica"  
   android:text="Hospital Database"  
   android:textAlignment="center"  
   android:textColor="#3DBFCF"  
   android:textSize="48sp"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.428"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.023" />  
     
   <TextView  
   android:id="@+id/textView2"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="Hospital ID"  
   android:textColor="#0C0C0C"  
   android:textSize="25sp"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.046"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.218" />  
     
   <TextView  
   android:id="@+id/textView3"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="H Name"  
   android:textColor="#131313"  
   android:textSize="25sp"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.054"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.338" />  
     
   <TextView  
   android:id="@+id/textView4"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="Location"  
   android:textColor="#100F0F"  
   android:textSize="25sp"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.054"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.446" />  
     
   <EditText  
   android:id="@+id/et1"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:ems="10"  
   android:inputType="textPersonName"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.92"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.218" />  
     
   <EditText  
   android:id="@+id/et2"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:ems="10"  
   android:inputType="textPersonName"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.925"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.338" />  
     
   <EditText  
   android:id="@+id/et3"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:ems="10"  
   android:inputType="textPersonName"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.92"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.446" />  
     
   <Button  
   android:id="@+id/button"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="Submit"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.049"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.651" />  
     
   <Button  
   android:id="@+id/button2"  
   android:layout\_width="wrap\_content"  
   android:layout\_height="wrap\_content"  
   android:text="Show list"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.945"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.651" />  
     
   <TextView  
   android:id="@+id/t5"  
   android:layout\_width="365dp"  
   android:layout\_height="157dp"  
   android:textSize="24sp"  
   app:layout\_constraintBottom\_toBottomOf="parent"  
   app:layout\_constraintEnd\_toEndOf="parent"  
   app:layout\_constraintHorizontal\_bias="0.492"  
   app:layout\_constraintStart\_toStartOf="parent"  
   app:layout\_constraintTop\_toTopOf="parent"  
   app:layout\_constraintVertical\_bias="0.923" />  
   </androidx.constraintlayout.widget.ConstraintLayout>

Java code

package com.example.hospi;  
  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import java.io.BufferedReader;  
import java.io.FileInputStream;  
import java.io.FileNotFoundException;  
import java.io.FileOutputStream;  
import java.io.IOException;  
import java.io.InputStreamReader;  
//import java.io.inputStreamReader;  
  
  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
  
public class MainActivityextends AppCompatActivity {  
 Button btn1,btn2;  
EditTextet1,et2,et3;  
TextViewt5;  
String s1,s2,s3;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
  
btn1=(Button) findViewById(R.id.*button*);  
btn2=(Button) findViewById(R.id.*button2*);  
t5=(TextView) findViewById(R.id.*t5*);  
et1=(EditText) findViewById(R.id.*et1*);  
et2=(EditText) findViewById(R.id.*et2*);  
et3=(EditText) findViewById(R.id.*et3*);  
  
  
  
btn1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 save(v);  
}  
 });  
  
btn2.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 load(v);  
}  
 });  
}  
public void save(View view)  
 {  
s1=et1.getText().toString();  
s2=et2.getText().toString();  
s3=s1+" "+s2+" " +et3.getText().toString()+"\n";  
  
 try{  
FileOutputStreamfos = openFileOutput("file1.txt",*MODE\_APPEND*);  
fos.write(s3.getBytes());  
}  
catch (FileNotFoundException e)  
 {  
e.printStackTrace();  
}  
catch (IOException e)  
 {  
e.printStackTrace();  
}  
 }  
public void load(View v)  
 {  
try {  
FileInputStreamfis = openFileInput("file1.txt");  
InputStreamReaderisr = new InputStreamReader(fis);  
BufferedReaderbr = new BufferedReader(isr);  
StringBuilder sb = new StringBuilder();  
String text;  
 while ((text = br.readLine()) != null)  
 {  
sb.append(text);  
sb.append("\n");  
}  
  
t5.setText(sb.toString());  
}  
catch (FileNotFoundException e)  
 {  
e.printStackTrace();  
}  
catch (IOException e)  
 {  
e.printStackTrace();  
}  
 }  
}

11.Expense Manager

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="#009688"  
tools:context=".MainActivity">  
  
<TextView  
android:id="@+id/textView4"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="EXPENSE MANAGER"  
android:textSize="24sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.451"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.103" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="Category"  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.119"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.22" />  
  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="75dp"  
android:layout\_height="39dp"  
android:text="Price"  
android:textSize="20sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.125"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.342" />  
  
<EditText  
android:id="@+id/et1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.691"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.225" />  
  
<EditText  
android:id="@+id/et2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.691"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.345" />  
  
<Button  
android:id="@+id/b1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="SAVE"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.185"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.464" />  
  
<Button  
android:id="@+id/b2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="LOAD"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.808"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.464" />  
  
<TextView  
android:id="@+id/t1"  
android:layout\_width="386dp"  
android:layout\_height="236dp"  
android:text="TextView"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.64"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.892" />

JAVA CODE

package com.example.expensemanager;  
  
import static java.lang.String.*valueOf*;  
  
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 java.io.BufferedInputStream;  
import java.io.BufferedOutputStream;  
import java.io.BufferedReader;  
import java.io.FileInputStream;  
import java.io.FileNotFoundException;  
import java.io.FileOutputStream;  
import java.io.IOException;  
import java.io.InputStreamReader;  
import java.nio.charset.StandardCharsets;  
  
  
public class MainActivityextends AppCompatActivity {  
 Button b1,b2;  
EditTextet1,et2;  
TextViewt1;  
String s1,s2;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
b1 = (Button) findViewById(R.id.*b1*);  
b2 = (Button) findViewById(R.id.*b2*);  
et1 = (EditText) findViewById(R.id.*et1*);  
et2 = (EditText) findViewById(R.id.*et2*);  
t1 = (TextView) findViewById(R.id.*t1*);  
  
b1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 save(v);  
  
  
}  
 });  
b2.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 load(v);  
  
}  
 });  
  
}  
public void save (View view)  
 {  
s1 = et1.getText().toString();  
s2 = s1+" "+et2.getText().toString()+"\n";  
 try {  
FileOutputStreamfos = openFileOutput("file1.txt", *MODE\_APPEND*);  
fos.write(s2.getBytes());  
}  
catch(FileNotFoundException e)  
 {  
e.printStackTrace();  
} catch (IOException e) {  
e.printStackTrace();  
}  
  
 }  
public void load(View v){  
try{  
FileInputStreamfis = openFileInput("file1.txt");  
InputStreamReaderisr = new InputStreamReader(fis);  
BufferedReaderbr = new BufferedReader(isr);  
StringBuilder sb = new StringBuilder();  
String text;  
 while ((text=br.readLine())!= null)  
 {  
sb.append(text);  
sb.append("\n");  
}  
t1.setText(sb.toString());  
  
} catch (FileNotFoundException e) {  
e.printStackTrace();  
} catch (IOException e) {  
e.printStackTrace();  
}

1. Health moniter

XML CODE

<?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"  
android:background="#998BD3F3"  
tools:context=".MainActivity">  
<TextView  
android:layout\_width="180dp"  
android:layout\_height="26dp"  
android:text="1NH17CS123"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.497"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.977" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="308dp"  
android:layout\_height="51dp"  
android:text="HEALTH MONITOR"  
android:textAlignment="center"  
android:textColor="@color/purple\_700"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.579"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.055" />  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="124dp"  
android:layout\_height="22dp"  
android:text="Name"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.121"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.169" />  
<TextView  
android:id="@+id/textView3"  
android:layout\_width="99dp"  
android:layout\_height="32dp"  
android:text="Age"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.112"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.277" />  
<TextView  
android:id="@+id/textView4"  
android:layout\_width="99dp"  
android:layout\_height="30dp"  
android:text="HB level"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.112"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.345" />  
<TextView  
android:id="@+id/textView5"  
android:layout\_width="114dp"  
android:layout\_height="33dp"  
android:text="Blood Sugar"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.117"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.425" />  
<EditText  
android:id="@+id/et\_name"  
android:layout\_width="199dp"  
android:layout\_height="42dp"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.85"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.174" />  
<EditText  
android:id="@+id/et\_age"  
android:layout\_width="212dp"  
android:layout\_height="39dp"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.869"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.27" />  
<EditText  
android:id="@+id/et\_hb"  
android:layout\_width="207dp"  
android:layout\_height="54dp"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.835"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.349" />  
<EditText  
android:id="@+id/et\_sugar"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.855"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.432" />  
<Button  
android:id="@+id/bt\_save"  
android:layout\_width="122dp"  
android:layout\_height="50dp"  
android:onClick="inserti"  
android:text="SAVE"  
android:textSize="24sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.173"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.524" />  
<Button  
android:id="@+id/bt\_report"  
android:layout\_width="138dp"  
android:layout\_height="46dp"  
android:onClick="report"  
android:text="REPORT"  
android:textSize="24sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.72"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.524" />  
<TextView  
android:id="@+id/tv\_op"  
android:layout\_width="355dp"  
android:layout\_height="205dp"  
android:text="Result:"  
android:textAlignment="center"  
android:textSize="18sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.813" />  
</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA**

package com.example.hel;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.database.Cursor;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
public class MainActivityextends AppCompatActivity {  
DatabaseHelperdb;  
EditTextet\_name;  
EditTextet\_age;  
EditTextet\_hb;  
EditTextet\_sugar;  
Button bt\_save;  
Button bt\_report;  
TextViewtv\_op;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
db= new DatabaseHelper(this);  
et\_name= (EditText)findViewById(R.id.*et\_name*);  
et\_age= (EditText)findViewById(R.id.*et\_age*);  
et\_hb= (EditText)findViewById(R.id.*et\_hb*);  
et\_sugar= (EditText)findViewById(R.id.*et\_sugar*);  
bt\_save= (Button)findViewById(R.id.*bt\_save*);  
bt\_report= (Button)findViewById(R.id.*bt\_report*);  
tv\_op= (TextView)findViewById(R.id.*tv\_op*);  
}  
public void inserti(View view) {  
booleanstatus = db.insert(  
et\_name.getText().toString(),  
Integer.*parseInt*(et\_age.getText().toString()),  
Integer.*parseInt*(et\_hb.getText().toString()),  
Integer.*parseInt*(et\_sugar.getText().toString()));  
}  
public void report(View view) {  
 Cursor c = db.select();  
 if (c.getCount() ==0)  
return;  
StringBufferbuf = new StringBuffer();  
 while (c.moveToNext()) {  
buf.append ("Name: "+c.getString(1));  
buf.append (" Age: "+c.getString(2));  
buf.append (" Hemoglobin: "+c.getString(3));  
buf.append (" Sugar: "+c.getString(4));  
buf.append("\n");  
}  
tv\_op.setText(buf);  
}  
public void cleartext (View view) {  
et\_name.setText("");  
et\_age.setText("");  
et\_hb.setText("");  
et\_sugar.setText("");  
}  
}

**DATA BASE:**

package com.example.hel;  
 import android.content.ContentValues;  
 import android.content.Context;  
 import android.database.Cursor;  
 import android.database.sqlite.SQLiteDatabase;  
 import android.database.sqlite.SQLiteOpenHelper;  
 import androidx.annotation.Nullable;  
public class DatabaseHelperextends SQLiteOpenHelper {  
DatabaseHelper(Context context) {  
super(context, "Health.db", null, 1);  
}  
public void onCreate(SQLiteDatabasesqLiteDatabase) {  
sqLiteDatabase.execSQL("CREATE TABLE LAB ( PATID integer PRIMARY KEY AUTOINCREMENT, PANAME TEXT, AGE INTEGER, HM INTEGER, SUGAR INTEGE);");  
}  
@Override  
public void onUpgrade(SQLiteDatabasesqLiteDatabase, int i, int i1)  
 {  
sqLiteDatabase.execSQL("DROP TABLE IF EXISTS LAB ");  
onCreate(sqLiteDatabase);  
}  
public booleaninsert (String name, int age, int hb, int sug) {  
SQLiteDatabasedb = this.getWritableDatabase();  
ContentValues cv = new ContentValues();  
cv.put("PANAME", name);  
cv.put("AGE", age);  
cv.put("HM", hb);  
cv.put("SUGAR", sug);  
 long status = db.insert("LAB",null,cv);  
 if (status == -1)  
return false;  
 else  
 return true;  
}  
public Cursor select() {  
SQLiteDatabasedb = this.getWritableDatabase();  
Cursor cr = db.rawQuery("SELECT \* FROM LAB", null);  
 return cr;  
}  
}

14 .DISPLAY OD CLG IN MAP

**XMLCODE:**

# Google\_maps\_api\_xmlCode

<resources>

*<!--*

***TODO:Beforeyourunyourapplication,youneedaGoogleMapsAPIkey.***

*Togetone,followthislink,followthedirectionsandpress"Create"atthe end:*

*https://console.developers.google.com/flows/enableapi?apiid=maps\_android\_backend&keyType=CLIENT\_SIDE\_ANDROID&r=38:EB:EF:79:F0:DD:EB:0B:DE:92:74:C4:2A:84:5A:*

*62:C4:98:73:75%3Bcom.example.collegemap*

*Youcanalsoaddyourcredentialstoanexistingkey,usingthesevalues:Packagename:*

*com.example.collegemap*

*SHA-1 certificate fingerprint:38:EB:EF:79:F0:DD:EB:0B:DE:92:74:C4:2A:84:5A:62:C4:98:73:75*

*Alternatively, follow the directions here:https://developers.google.com/maps/documentation/android/start#get-key*

*Onceyouhaveyourkey(itstartswith"AIza"),replacethe"google\_maps\_key"*

*stringinthisfile.*

*-->*

<**string name="google\_maps\_key" templateMergeStrategy="preserve"translatable="false"**>AIzaSyDXl2Oxv6Il3ojORV-NuvgzErgByyx\_ahQ</**string**>

</**resources**>

## JAVACODE:

**package**com.example.collegemap;

**import**androidx.fragment.app.FragmentActivity;

**import**android.os.Bundle;

**import**com.google.android.gms.maps.CameraUpdateFactory;

**import**com.google.android.gms.maps.GoogleMap;

**import** com.google.android.gms.maps.OnMapReadyCallback;**import** com.google.android.gms.maps.SupportMapFragment;**import**com.google.android.gms.maps.model.LatLng;

**import**com.google.android.gms.maps.model.MarkerOptions;

**publicclass**MapsActivity**extends**FragmentActivity**implements**

OnMapReadyCallback{

**private** GoogleMap**mMap**;@Override

**protected void** onCreate(Bundle savedInstanceState) {**super**.onCreate(savedInstanceState);setContentView(R.layout.***activity\_maps***);

*// Obtain the SupportMapFragment and get notified when the mapisready to be used.*

SupportMapFragmentmapFragment = (SupportMapFragment)getSupportFragmentManager()

.findFragmentById(R.id.***map***);mapFragment.getMapAsync(**this**);

}

*/\*\**

* *Manipulatesthemaponceavailable.*
* *Thiscallbackistriggeredwhenthemapisreadytobeused.*
* *This is where we can add markers or lines, add listeners or movethecamera. In this case,*
* *wejustaddamarkernearSydney,Australia.*
* *If Google Play services is not installed on the device, the userwillbe prompted to install*
* *it inside the SupportMapFragment. This method will only betriggeredonce the userhas*
* *installedGooglePlayservicesandreturnedtotheapp.*

*\*/*

@Override

**publicvoid**onMapReady(GoogleMapgoogleMap){

**mMap**=googleMap;

*//AddamarkerinSydneyandmovethecamera*

LatLngsydney=**new**LatLng(12.93,77.69);

**mMap**.addMarker(**new** MarkerOptions().position(sydney).title(**"NewHorizonCollege ofEngineering"**));

**mMap**.moveCamera(CameraUpdateFactory.*newLatLng*(sydney));

**MANIFEST**

15. SMS

**XML CODE:**

<?xml version="1.0" encoding="utf-8"?>  
<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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"  
android:background="#BCB591"  
android:backgroundTint="#9FC5C8"  
tools:context=".MainActivity">  
  
<TextView  
android:id="@+id/textView3"  
android:layout\_width="168dp"  
android:layout\_height="78dp"  
android:text="SMS"  
android:textSize="48sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.699"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.067" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="90dp"  
android:layout\_height="36dp"  
android:fontFamily="sans-serif-light"  
android:text='MOBILE NO:"'  
android:textColor="#0E0E0E"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.072"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.226" />  
  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="72dp"  
android:layout\_height="37dp"  
android:text="MESSAGE:"  
android:textAppearance="@style/TextAppearance.AppCompat.Body1"  
android:textColor="#121111"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.11"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.404" />  
  
<EditText  
android:id="@+id/et1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.686"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.221" />  
  
<EditText  
android:id="@+id/et2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:ems="10"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.681"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.419" />  
  
<Button  
android:id="@+id/b1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="Send SMS"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.536"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.636" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA CODE:**

package com.example.sms;  
import androidx.appcompat.app.AppCompatActivity;  
import androidx.core.app.ActivityCompat;  
import androidx.core.content.ContextCompat;  
  
import android.Manifest;  
import android.app.PendingIntent;  
import android.content.Context;  
import android.content.pm.PackageManager;  
import android.os.Bundle;  
import android.telephony.SmsManager;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivityextends AppCompatActivity {  
EditTextet1,et2;  
Button b1;  
PendingIntentsentPI,deliveredPI;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
setContentView(R.layout.*activity\_main*);  
et1 = (EditText) findViewById(R.id.*et1*);  
et2 = (EditText) findViewById(R.id.*et2*);  
b1 = (Button) findViewById(R.id.*b1*);  
b1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View v) {  
 String message = et2.getText().toString();  
String telnr = et1.getText().toString();  
 if(telnr.length()==10)  
 {  
if(ContextCompat.*checkSelfPermission*(MainActivity.this, Manifest.permission.*SEND\_SMS*)!= PackageManager.*PERMISSION\_GRANTED*)  
 {  
ActivityCompat.*requestPermissions*(MainActivity.this,newString[]{Manifest.permission.*SEND\_SMS*},1);  
Toast.*makeText*(getApplicationContext(), "SMS NOT SENT", Toast.*LENGTH\_SHORT*).show();  
}  
else  
{  
SmsManagersms = SmsManager.*getDefault*();  
sms.sendTextMessage(telnr,null,message,sentPI,deliveredPI);  
Toast.*makeText*(getApplicationContext(), "SMS SENT", Toast.*LENGTH\_SHORT*).show();  
  
  
}  
 }  
else  
{  
Toast.*makeText*(getApplicationContext(), "SMS NOT SENT", Toast.*LENGTH\_SHORT*).show();  
Toast.*makeText*(getApplicationContext(), "Enter 10 digit number", Toast.*LENGTH\_SHORT*).show();  
}  
  
 }  
 });  
}  
}

**MANIFEST FILE:**

<?xml version="1.0" encoding="utf-8"?>  
<manifest xmlns:android="http://schemas.android.com/apk/res/android"  
package="com.example.sms">  
<uses-permission  
android:name="android.permission.SEND\_SMS"/>  
<application  
android:allowBackup="true"  
android:icon="@mipmap/ic\_launcher"  
android:label="sms"  
android:roundIcon="@mipmap/ic\_launcher\_round"  
android:supportsRtl="true"  
android:theme="@style/Theme.Sms">  
<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>  
</activity>  
</application>  
</manifest>

**STUDENT DATABASE**

**Xml code**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayoutxmlns: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">

<EditText

android:id="@+id/et\_usn"

android:layout\_width="213dp"

android:layout\_height="51dp"

android:ems="10"

android:hint="usn"

android:inputType="textPersonName"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.87"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.405" />

<EditText

android:id="@+id/et\_sem"

android:layout\_width="217dp"

android:layout\_height="63dp"

android:ems="10"

android:hint="sem"

android:inputType="textPersonName"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.871"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.522" />

<TextView

android:id="@+id/textView"

android:layout\_width="308dp"

android:layout\_height="90dp"

android:text="STUDENT DATABASE"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.495"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.049" />

<TextView

android:id="@+id/textView2"

android:layout\_width="153dp"

android:layout\_height="51dp"

android:text=" NAME"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.267" />

<TextView

android:id="@+id/textView3"

android:layout\_width="142dp"

android:layout\_height="58dp"

android:text=" USN"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.393" />

<TextView

android:id="@+id/textView4"

android:layout\_width="151dp"

android:layout\_height="59dp"

android:text=" SEMESTER"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.519" />

<EditText

android:id="@+id/et\_name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:ems="10"

android:hint="name"

android:inputType="textPersonName"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.815"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.265" />

<Button

android:id="@+id/save\_bt"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="SAVE"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.116"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.67" />

<Button

android:id="@+id/load\_bt"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="REPORT"

android:textSize="24sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.81"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.67" />

<TextView

android:id="@+id/res\_tv"

android:layout\_width="384dp"

android:layout\_height="182dp"

android:text="TextView"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.481"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.95" />

</androidx.constraintlayout.widget.ConstraintLayout>

**JAVA**

package com.example.studentdb;

import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;

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 {

Button save\_bt,load\_bt;

EditTextet\_name,et\_usn,et\_sem;

TextViewres\_tv;

DatabaseHelperdb;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

db = new DatabaseHelper(this);

et\_name = (EditText)findViewById(R.id.et\_name);

et\_usn = (EditText)findViewById(R.id.et\_usn);

et\_sem = (EditText)findViewById(R.id.et\_sem);

save\_bt = (Button)findViewById(R.id.save\_bt);

load\_bt = (Button)findViewById(R.id.load\_bt);

res\_tv=(TextView) findViewById(R.id.res\_tv);

save\_bt.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

boolean status = db.insert(

et\_name.getText().toString(),

Integer.parseInt(et\_usn.getText().toString()),

Integer.parseInt(et\_sem.getText().toString())

);

}

});

load\_bt.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

Cursor c = db.select();

if(c.getCount()==0)

{

Toast.makeText(getApplicationContext(),"Cannot load",Toast.LENGTH\_SHORT).show();

}

else

{

StringBuffer sb= new StringBuffer();

while(c.moveToNext())

{

sb.append("NAME:"+c.getString(1));

sb.append(" ");

sb.append("USN:"+c.getString(2));

sb.append(" ");

sb.append("SEM:"+c.getString(3));

sb.append(" \n ");

}

res\_tv.setText(sb);

}

}

});

}

}

**DATABASEHELPER**

package com.example.studentdb;

import android.content.Context;

import android.database.sqlite.SQLiteDatabase;

import android.database.sqlite.SQLiteOpenHelper;

import android.content.ContentValues;

import android.database.Cursor;

public class DatabaseHelper extends SQLiteOpenHelper {

DatabaseHelper(Context context)

{

super(context,"st.db",null,1);

}

public void onCreate(SQLiteDatabasesqLiteDatabase)

{

sqLiteDatabase.execSQL("CREATE TABLE STUDENT(SID INTEGER PRIMARY KEY AUTOINCREMENT,SNAME TEXT,SUSN INTEGER,SSEM INTEGER);");

}

public void onUpgrade(SQLiteDatabasesqLiteDatabase,int i1,int i2)

{

sqLiteDatabase.execSQL("DROP TABLE IF EXISTS STUDENT");

onCreate(sqLiteDatabase);

}

public booleaninsert(String name,intusn,intsem)

{

SQLiteDatabasedb = this.getWritableDatabase();

ContentValues cv= new ContentValues();

cv.put("SNAME",name);

cv.put("SUSN",usn);

cv.put("SSEM",sem);

long status= db.insert("STUDENT",null,cv);

if(status == -1)

return false;

else

return true;

}

public Cursor select()

{

SQLiteDatabasedb= this.getWritableDatabase();

Cursor c = db.rawQuery("SELECT \* FROM STUDENT",null);

return c;

}

}