**Table layout (q2)**

<?xml version="1.0" encoding="utf-8"?>  
<TableLayout 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">  
  
 <TableRow>  
 <TextView  
 android:text="Name"  
 android:textStyle="bold"  
 android:padding="10dp"/>  
 <TextView  
 android:text="Roll no"  
 android:textStyle="bold"  
 android:padding="10dp"/>  
  
 </TableRow>  
  
 <TableRow>  
 <TextView  
 android:text="SHas" />  
 <TextView  
 android:text="200369"/>  
 </TableRow>  
  
 <TableRow>  
 <TextView  
 android:text="Pooooo"/>  
 <TextView  
 android:text="598959978"/>  
  
 </TableRow>  
  
  
  
  
</TableLayout>



**Q3**

<?xml version="1.0" encoding="utf-8"?>  
<FrameLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="inhertance"  
 android:layout\_gravity="top | left"/>  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Polymorfsim"  
 android:layout\_gravity="top |center"/>  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Data Abstraction"  
 android:layout\_gravity="top | right"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Sring"  
 android:layout\_gravity="center | right"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Int"  
 android:layout\_gravity="center |center"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Float"  
 android:layout\_gravity="center |left"/>  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="double"  
 android:layout\_gravity="bottom | center"/>  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Char"  
 android:layout\_gravity="bottom |left"/>  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="long"  
 android:layout\_gravity="bottom |right"/>  
  
</FrameLayout>

**Q4**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout 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:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Username"/>  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 />  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Passward"/>  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
  
 />  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="TOUCH ME"/>  
  
  
  
  
</LinearLayout>

**Q5**

**Xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="DAL RE:"/>  
  
 <AutoCompleteTextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:padding="60dp"  
 android:id="@+id/search"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="MAI KAM KA NAHI HUU"/>  
  
  
  
  
</LinearLayout>

**java**

*package* com.example.q;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.widget.ArrayAdapter;  
*import* android.widget.AutoCompleteTextView;  
  
*import* java.lang.reflect.Array;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 String items[] = {"Ayush", "Adish basti ki sasti hasti", "shuBUM"};  
   
*// first we will make conetnt to add to the search  
   
 @Override  
 protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 *//mapping* AutoCompleteTextView search = (AutoCompleteTextView) findViewById(R.id.search);  
   
   
 *//we made the FUCTION of dropdown,,,, BUT we haven't connected it to search* ArrayAdapter<String> adapter = *new* ArrayAdapter<String>(*this*, android.R.layout.simple\_dropdown\_item\_1line, items);  
   
 *//abb kia hamen connect search se* search.setAdapter(adapter);  
   
 *//syntax* search.setThreshold(1);  
 }  
}

**q6**

**xml**

<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".MainActivity">  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="num 1:"/>  
  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/inputOne"/>  
  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="num 2:"/>  
  
 <EditText  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/inoutTwo"/>  
  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="add"  
 android:text="add"/>  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="sub"  
 android:text="sub"/>  
  
 <TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:textStyle="italic"  
 android:id="@+id/ans"/>  
  
  
  
  
</LinearLayout>

**Java**

*package* com.example.q;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.ArrayAdapter;  
*import* android.widget.AutoCompleteTextView;  
*import* android.widget.EditText;  
*import* android.widget.TextView;  
  
*import* java.lang.reflect.Array;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 EditText inputOne;  
 EditText inputTwo;  
  
 *int* numOne, numTwo, ANS;  
  
 TextView answer;  
  
 *@Override  
 protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 }  
  
 *public void* getData() {  
 inputOne = (EditText) findViewById(R.id.inputOne);  
 numOne = Integer.parseInt(inputOne.getText().toString());  
  
 inputTwo = (EditText) findViewById(R.id.inoutTwo);  
 numTwo = Integer.parseInt(inputTwo.getText().toString());  
  
 answer = (TextView) findViewById(R.id.ans);  
 }  
  
 *public void* add(View v) {  
 getData();  
  
 ANS = numOne + numTwo;  
 answer.setText("Addition is: "+Integer.toString(ANS));  
  
 }  
 *public void* sub(View v){  
 getData();  
 ANS = numOne - numTwo;  
 answer.setText("SUBTRACTION IS: "+Integer.toString(ANS));  
 }  
}

**email**

**XML**

<?xml version="1.0"?>  
  
<LinearLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 android:orientation="vertical"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent">  
 <EditText  
 android:id="@+id/editTextTo"  
 android:hint="To"  
 android:inputType="textEmailAddress"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <EditText  
 android:id="@+id/editTextSubject"  
 android:hint="Subject"  
 android:inputType="text"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <EditText  
 android:id="@+id/editTextMessage"  
 android:hint="Message"  
 android:inputType="textMultiLine"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content" />  
 <Button  
 android:id="@+id/buttonSend"  
 android:text="Send"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"/>  
  
</LinearLayout>

**Java**

*package* com.dataflair.ticgame;  
*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;  
*public class* MainActivity *extends* AppCompatActivity {  
 EditText editTextTo;  
 EditText editTextSubject;  
 EditText editTextMessage;  
 Button buttonSend;  
 *@Override  
 protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 editTextTo = findViewById(R.id.editTextTo);  
 editTextSubject = findViewById(R.id.editTextSubject);  
 editTextMessage = findViewById(R.id.editTextMessage);  
 buttonSend = findViewById(R.id.buttonSend);  
  
 buttonSend.setOnClickListener(*new* View.OnClickListener() {  
 *@Override  
 public void* onClick(View v) {  
 sendEmail();  
 }  
 });  
 }  
 *private void* sendEmail() {  
 String recipientList = editTextTo.getText().toString().trim();  
 String[] recipients = recipientList.split(",");  
 String subject = editTextSubject.getText().toString().trim();  
 String message = editTextMessage.getText().toString().trim();  
  
 Intent intent = *new* Intent(Intent.ACTION\_SEND);  
  
 intent.putExtra(Intent.EXTRA\_EMAIL, recipients);  
 intent.putExtra(Intent.EXTRA\_SUBJECT, subject);  
 intent.putExtra(Intent.EXTRA\_TEXT, message);  
  
 intent.setType("message/rfc822");  
  
 startActivity(Intent.createChooser(intent, "Choose an email client"));  
 }  
}