*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView2"  
 android:layout\_width="89dp"  
 android:layout\_height="25dp"  
 android:text="Date"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.164"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.08"** />  
  
 <**TextView  
 android:id="@+id/textView3"  
 android:layout\_width="102dp"  
 android:layout\_height="35dp"  
 android:text="Doctor's Name"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.164"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.171"** />  
  
 <**TextView  
 android:id="@+id/textView4"  
 android:layout\_width="103dp"  
 android:layout\_height="31dp"  
 android:text="Patient's Name"  
 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="0.254"** />  
  
 <**TextView  
 android:id="@+id/textView5"  
 android:layout\_width="93dp"  
 android:layout\_height="26dp"  
 android:text="Age"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.164"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.338"** />  
  
 <**EditText  
 android:id="@+id/tv\_date"  
 android:layout\_width="185dp"  
 android:layout\_height="41dp"  
 android:ems="10"  
 android:hint="date"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.876"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.071"** />  
  
 <**EditText  
 android:id="@+id/et\_date"  
 android:layout\_width="313dp"  
 android:layout\_height="60dp"  
 android:ems="10"  
 android:hint="1"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName3"  
 android:layout\_width="312dp"  
 android:layout\_height="62dp"  
 android:ems="10"  
 android:hint="2"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.505"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.59"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName4"  
 android:layout\_width="314dp"  
 android:layout\_height="77dp"  
 android:ems="10"  
 android:hint="3"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.515"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.698"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName5"  
 android:layout\_width="315dp"  
 android:layout\_height="60dp"  
 android:ems="10"  
 android:hint="4"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.8"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName8"  
 android:layout\_width="182dp"  
 android:layout\_height="45dp"  
 android:ems="10"  
 android:hint="doctor"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.864"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.161"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName9"  
 android:layout\_width="187dp"  
 android:layout\_height="41dp"  
 android:ems="10"  
 android:hint="patient"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.897"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.259"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName10"  
 android:layout\_width="183dp"  
 android:layout\_height="39dp"  
 android:ems="10"  
 android:hint="43"  
 android:inputType="textPersonName"  
 android:text=""  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.881"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.348"** />  
  
 <**EditText  
 android:id="@+id/editTextTextPersonName12"  
 android:layout\_width="313dp"  
 android:layout\_height="46dp"  
 android:ems="10"  
 android:hint="5"  
 android:inputType="textPersonName"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.871"** />  
  
 <**Button  
 android:id="@+id/button"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="AddData"  
 android:text="SAVE"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.176"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.976"** />  
  
 <**Button  
 android:id="@+id/button2"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="fetchData"  
 android:text="FETCH"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.704"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.976"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**package** com.example.newapp;  
  
**import** androidx.annotation.NonNull;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.app.DatePickerDialog;  
**import** android.graphics.Color;  
**import** android.graphics.drawable.ColorDrawable;  
**import** android.nfc.Tag;  
**import** android.os.Bundle;  
**import** android.util.Log;  
**import** android.view.View;  
**import** android.widget.DatePicker;  
**import** android.widget.EditText;  
**import** android.widget.TextView;  
**import** android.widget.Toast;  
  
**import** com.google.android.gms.tasks.OnFailureListener;  
**import** com.google.android.gms.tasks.OnSuccessListener;  
**import** com.google.firebase.firestore.DocumentReference;  
**import** com.google.firebase.firestore.DocumentSnapshot;  
**import** com.google.firebase.firestore.FirebaseFirestore;  
  
**import** java.util.ArrayList;  
**import** java.util.Calendar;  
**import** java.util.HashMap;  
**import** java.util.Map;  
**import** android.widget.Button;  
**import** android.content.Intent;  
  
**import** android.view.View;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 FirebaseFirestore **db**;  
 TextView **tvDate**;  
 EditText **etDate**;  
 DatePickerDialog.OnDateSetListener **setListener**;  
  
 **public static final** String ***DATE\_KEY*** = **"date"**;  
 **public static final** String ***doctor\_key*** = **"doctor"**;  
 **public static final** String ***patient\_key*** = **"patient"**;  
 **public static final** String ***age\_key*** = **"age"**;  
 **public static final** String ***one\_key*** = **"one"**;  
 **public static final** String ***two\_key*** = **"two"**;  
 **public static final** String ***three\_key*** = **"three"**;  
 **public static final** String ***four\_key*** = **"four"**;  
 **public static final** String ***five\_key*** = **"five"**;  
  
 **private** DocumentReference **mDocRef** = FirebaseFirestore.getInstance().document(**"sampleData/prescription"**);  
 **public** Button **button**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 *// Access a Cloud Firestore instance from your Activity* **db** = FirebaseFirestore.getInstance();  
  
 **tvDate** = findViewById(R.id.***tv\_date***);  
 **etDate** = findViewById(R.id.***et\_date***);  
  
 Calendar calendar = Calendar.*getInstance*();  
 **final int** year = calendar.get(Calendar.***YEAR***);  
 **final int** month = calendar.get(Calendar.***MONTH***);  
 **final int** day = calendar.get(Calendar.***DAY\_OF\_MONTH***);  
 **button** = (Button) findViewById(R.id.***button2***);  
  
  
  
 **button**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 Intent intent = **new** Intent(MainActivity.**this**,MainActivity2.**class**);  
 startActivity(intent);  
 }  
 });  
  
  
 **tvDate**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 DatePickerDialog datePickerDialog = **new** DatePickerDialog(  
 MainActivity.**this**, android.R.style.***Theme\_Holo\_Light\_Dialog\_MinWidth*** , **setListener**, year, month, day);  
 datePickerDialog.getWindow().setBackgroundDrawable(**new** ColorDrawable(Color.***TRANSPARENT***));  
 datePickerDialog.show();  
  
 }  
 });  
 **setListener** = **new** DatePickerDialog.OnDateSetListener() {  
 @Override  
 **public void** onDateSet(DatePicker view, **int** year, **int** month, **int** dayOfMonth) {  
 month = month + 1;  
 String date = day + **"/"** + month + **"/"** + year;  
 **tvDate**.setText(date);  
 }  
 };  
 **etDate**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 DatePickerDialog datePickerDialog = **new** DatePickerDialog(  
 MainActivity.**this**, **new** DatePickerDialog.OnDateSetListener() {  
 @Override  
 **public void** onDateSet(DatePicker view, **int** year, **int** month, **int** dayOfMonth) {  
 month = month+1;  
 String date = day+**"/"**+month+**"/"**+year;  
 **etDate**.setText(date);  
 }  
 },year,month,day);  
 datePickerDialog.show();  
 }  
 });  
  
  
 }  
  
  
  
  
  
 **public void** AddData(View view){  
 EditText PersonName = (EditText) findViewById(R.id.***tv\_date***);  
 EditText PersonName8 = (EditText) findViewById(R.id.***editTextTextPersonName8***);  
 EditText PersonName9 = (EditText) findViewById(R.id.***editTextTextPersonName9***);  
 EditText PersonName10 = (EditText) findViewById(R.id.***editTextTextPersonName10***);  
 EditText PersonName2 = (EditText) findViewById(R.id.***et\_date***);  
 EditText PersonName3 = (EditText) findViewById(R.id.***editTextTextPersonName3***);  
 EditText PersonName4 = (EditText) findViewById(R.id.***editTextTextPersonName4***);  
 EditText PersonName5 = (EditText) findViewById(R.id.***editTextTextPersonName5***);  
 EditText PersonName12 = (EditText) findViewById(R.id.***editTextTextPersonName12***);  
 String dateText = PersonName.getText().toString();  
 String doctorText = PersonName8.getText().toString();  
 String patientText = PersonName9.getText().toString();  
 String ageText = PersonName10.getText().toString();  
 String oneText = PersonName2.getText().toString();  
 String twoText = PersonName3.getText().toString();  
 String threeText = PersonName4.getText().toString();  
 String fourText = PersonName5.getText().toString();  
 String fiveText = PersonName12.getText().toString();  
  
 **if**(doctorText.isEmpty() || dateText.isEmpty() || patientText.isEmpty() || ageText.isEmpty() || oneText.isEmpty()) {**return**;}  
 Map<String, Object> dataToSave = **new** HashMap<String, Object>();  
 dataToSave.put(***DATE\_KEY***, dateText);  
 dataToSave.put(***doctor\_key***, doctorText);  
 dataToSave.put(***patient\_key***, patientText);  
 dataToSave.put(***age\_key***, ageText);  
 dataToSave.put(***one\_key***, oneText);  
 dataToSave.put(***two\_key***, twoText);  
 dataToSave.put(***three\_key***, threeText);  
 dataToSave.put(***four\_key***, fourText);  
 dataToSave.put(***five\_key***,fiveText);  
 **mDocRef**.set(dataToSave).addOnSuccessListener(**new** OnSuccessListener<Void>() {  
 @Override  
 **public void** onSuccess(Void aVoid) {  
 *//Log.d(TAG, "Document has been saved");* }  
 }).addOnFailureListener(**new** OnFailureListener() {  
 @Override  
 **public void** onFailure(@NonNull Exception e) {  
 *//Log.w(TAG,"document was not saved",e);* }  
 });  
 }  
 }

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity2"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="prescription"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.201"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.11"** />  
  
 <**Button  
 android:id="@+id/button3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:onClick="showData"  
 android:text="SHOW"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintHorizontal\_bias="0.207"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.259"** />  
  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**ackage** com.example.newapp;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.TextView;  
  
**import** com.google.android.gms.tasks.OnSuccessListener;  
**import** com.google.firebase.firestore.DocumentReference;  
**import** com.google.firebase.firestore.DocumentSnapshot;  
**import** com.google.firebase.firestore.FirebaseFirestore;  
  
**public class** MainActivity2 **extends** AppCompatActivity {  
  
 FirebaseFirestore **db**;  
  
 **public static final** String ***DATE\_KEY*** = **"date"**;  
 **public static final** String ***doctor\_key*** = **"doctor"**;  
 **public static final** String ***patient\_key*** = **"patient"**;  
 **public static final** String ***age\_key*** = **"age"**;  
 **public static final** String ***one\_key*** = **"one"**;  
 **public static final** String ***two\_key*** = **"two"**;  
 **public static final** String ***three\_key*** = **"three"**;  
 **public static final** String ***four\_key*** = **"four"**;  
 **public static final** String ***five\_key*** = **"five"**;  
  
 TextView **mDateTextView**;  
  
 **private** DocumentReference **mDocRef** = FirebaseFirestore.getInstance().document(**"sampleData/prescription"**);  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main2***);  
  
 **db** = FirebaseFirestore.getInstance();  
  
 **mDateTextView** = (TextView) findViewById(R.id.***textView***);  
 }  
  
 **public void** showData(View view) {  
 **mDocRef**.get().addOnSuccessListener(**new** OnSuccessListener<DocumentSnapshot>() {  
 @Override  
 **public void** onSuccess(DocumentSnapshot documentSnapshot) {  
 **if** (documentSnapshot.exists()) {  
 String dateText = documentSnapshot.getString(***DATE\_KEY***);  
 String doctorText = documentSnapshot.getString(***doctor\_key***);  
 String patientText = documentSnapshot.getString(***patient\_key***);  
 String ageText = documentSnapshot.getString(***age\_key***);  
 String oneText = documentSnapshot.getString(***one\_key***);  
 String twoText = documentSnapshot.getString(***two\_key***);  
 String threeText = documentSnapshot.getString(***three\_key***);  
 String fourText = documentSnapshot.getString(***four\_key***);  
 String fiveText = documentSnapshot.getString(***five\_key***);  
 **mDateTextView**.setText(**"\""** + dateText + **"\"--"** + doctorText + **"\"--"** + patientText + **"\"--"** + ageText + **"\"--"** + oneText + **"\"--"** + twoText + **"\"--"** + threeText + **"\"--"** + fourText + **"\"--"** + fiveText );  
 }  
 }  
 });  
 }

**package** com.example.newapp;  
  
**public class** prescription {  
 **private** String **date**;  
 **private** String **doctor**;  
 **private** String **patient**;  
 **private** String **age**;  
 **private** String **one**;  
 **private** String **two**;  
 **private** String **three**;  
 **private** String **four**;  
 **private** String **five**;  
  
 **public** prescription() {}  
  
 **public** String getDate() {**return date**;}  
 **public** String getDoctor() {**return doctor**;}  
 **public** String getPatient() {**return patient**;}  
 **public** String getAge() {**return age**;}  
 **public** String getOne() {**return one**;}  
 **public** String getTwo() {**return two**;}  
 **public** String getThree() {**return three**;}  
 **public** String getFour() {**return four**;}  
 **public** String getFive() {**return five**;}  
}