Slip no – 16

Q1. Create an Android App, it reads the Students Details (Name, Surname, Class, Gender, Hobbies, Marks) and display the all information in another activity in table format on click of Submit button.

Add code on AndroidManifest.xml file <activity android:name=".ResultActivity"/>  
 </application>

activity\_main.xml

<?*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">  
 <EditText  
 *android:id*="@+id/txtname"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:hint*="Enter Name"  
 *android:layout\_marginTop*="20dp"/>  
  
 <EditText  
 *android:id*="@+id/txtsurname"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:hint*="Enter SurName"  
 *android:layout\_marginTop*="20dp"/>  
  
 <EditText  
 *android:id*="@+id/txtclass"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:hint*="Enter Classname"  
 *android:layout\_marginTop*="20dp"/>  
  
  
 <EditText  
 *android:id*="@+id/txtGender"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:hint*="Gender"  
 *android:layout\_marginTop*="20dp"/>  
  
 <EditText  
 *android:id*="@+id/txthobbies"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:hint*="Enter Hobbies"  
 *android:layout\_marginTop*="20dp"/>  
  
 <EditText  
 *android:id*="@+id/txtmarks"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginLeft*="30dp"  
 *android:layout\_marginRight*="30dp"  
 *android:inputType*="number"  
 *android:hint*="Enter Marks"  
 *android:layout\_marginTop*="20dp"/>  
  
 <Button  
 *android:id*="@+id/btnsubmit"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginTop*="50dp"  
 *android:text*="Submit"  
 *android:layout\_marginLeft*="50dp"  
 *android:layout\_marginRight*="50dp"/>  
  
</LinearLayout>

MainActivity.java

*package* com.example.slipno5;  
  
*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 txtname,txtsurname,txtclass,txtGender,txthobbies,txtmarks;  
 Button btnsubmit;  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 txtname=(EditText) findViewById(R.id.*txtname*);  
 txtsurname=(EditText) findViewById(R.id.*txtsurname*);  
 txtclass =(EditText)findViewById(R.id.*txtclass*);  
 txtGender=(EditText) findViewById(R.id.*txtGender*);  
 txthobbies=(EditText) findViewById(R.id.*txthobbies*);  
 txtmarks=(EditText) findViewById(R.id.*txtmarks*);  
  
 btnsubmit=(Button) findViewById(R.id.*btnsubmit*);  
  
 btnsubmit.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
 String name=txtname.getText().toString().trim();  
 String surname=txtsurname.getText().toString().trim();  
 String classes=txtclass.getText().toString().trim();  
 String Gender=txtGender.getText().toString().trim();  
 String hobbies=txthobbies.getText().toString().trim();  
 String marks=txtmarks.getText().toString().trim();*//fetching data* Bundle bundle=*new* Bundle();*//bundle import........... variable careate  
 //bundle variable use...* bundle.putString("name",name);*//key and where stroed name* bundle.putString("surname",surname);  
 bundle.putString("classes",classes);  
 bundle.putString("Gender",Gender);  
 bundle.putString("hobbies",hobbies);  
 bundle.putString("marks",marks);  
  
*//new intent open karnahai* Intent intent=*new* Intent(MainActivity.*this*,ResultActivity.*class*);  
 intent.putExtras(bundle);  
 startActivity(intent);  
 }  
 });  
 }  
}

activity\_result.xml

<?*xml version*="1.0" *encoding*="utf-8"?>  
<TableLayout *xmlns:android*="http://schemas.android.com/apk/res/android"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content">  
  
 <TableRow  
 *android:layout\_marginTop*="300dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:layout\_marginRight*="40dp">  
  
 <TextView  
 *android:id*="@+id/txt\_name"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="30dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"  
 *android:textAlignment*="center"/>  
  
 <TextView  
 *android:id*="@+id/txt\_surname"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="40dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"/>  
 </TableRow>  
  
 <TableRow  
 *android:layout\_marginTop*="30dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:layout\_marginRight*="40dp">  
 <TextView  
 *android:id*="@+id/txt\_classname"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="40dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"  
 />  
 <TextView  
 *android:id*="@+id/txt\_Gender"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="40dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"/>  
 </TableRow>  
  
 <TableRow  
 *android:layout\_marginTop*="30dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:layout\_marginRight*="40dp">  
 <TextView  
 *android:id*="@+id/txt\_hobbies"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="40dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"/>  
  
 <TextView  
 *android:id*="@+id/txt\_marks"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_marginRight*="40dp"  
 *android:layout\_marginLeft*="40dp"  
 *android:text*="Hello"/>  
 </TableRow>  
  
</TableLayout>

ResultActivity.java

*package* com.example.slipno5;  
  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.os.Bundle;  
*import* android.widget.TextView;  
  
*public class* ResultActivity *extends* AppCompatActivity {  
 TextView txt\_name,txt\_surname,txt\_classname,txt\_Gender,txt\_hobbies,txt\_marks;  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_result*);  
  
  
 Bundle bundle=getIntent().getExtras();  
  
 txt\_name= (TextView) findViewById(R.id.*txt\_name*);  
 txt\_surname=(TextView) findViewById(R.id.*txt\_surname*);  
 txt\_classname=(TextView) findViewById(R.id.*txt\_classname*);  
 txt\_Gender=(TextView) findViewById(R.id.*txt\_Gender*);  
 txt\_hobbies=(TextView) findViewById(R.id.*txt\_hobbies*);  
 txt\_marks=(TextView) findViewById(R.id.*txt\_marks*);  
  
  
 *if*( bundle != *null*)  
 {  
 String name = bundle.getString("name");  
 String surname = bundle.getString("surname");  
 String classes = bundle.getString("classes");  
 String Gender = bundle.getString("Gender");  
 String hobbies = bundle.getString("hobbies");  
 String marks = bundle.getString("marks");  
  
 txt\_name.setText(name);  
 txt\_surname.setText(surname);  
 txt\_classname.setText(classes);  
 txt\_Gender.setText(Gender);  
 txt\_hobbies.setText(hobbies);  
 txt\_marks.setText(marks);  
  
 }  
 }  
}

Q2. Create an Android Application that Demonstrate TimePicker and display Selected Time on TextView.

activity\_main.xml

<?*xml version*="1.0" *encoding*="utf-8"?>  
<RelativeLayout *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">  
  
 <TimePicker  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:id*="@+id/timepicker">  
 </TimePicker>  
  
 <TextView  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_centerInParent*="true"  
 *android:layout\_below*="@+id/timepicker"  
 *android:textSize*="30dp"  
 *android:id*="@+id/time">  
 </TextView>  
  
</RelativeLayout>

MainActivity.java

*package* com.example.slipno5;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.annotation.SuppressLint;  
*import* android.os.Bundle;  
*import* android.widget.TextView;  
*import* android.widget.TimePicker;  
  
*public class* MainActivity *extends* AppCompatActivity {  
 TimePicker timePicker;  
 TextView textView;  
 @SuppressLint("MissingInflatedId")  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 timePicker=findViewById(R.id.*timepicker*);  
 textView=findViewById(R.id.*time*);  
  
 timePicker.setOnTimeChangedListener(*new* TimePicker.OnTimeChangedListener() {  
 @Override  
 *public void* onTimeChanged(TimePicker timePicker, *int* i, *int* i1) {  
 textView.setText(i+":"+i1);  
 }  
 });  
 }  
}