Slip no – 11

Q.1 Create android application to change Font Size, Color and Font Family of String.

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"  
 *android:layout\_alignParentEnd*="true"  
 *android:layout\_alignParentStart*="true"  
 *tools:context*=".MainActivity"  
 *android:layout\_alignParentRight*="true"  
 *android:layout\_alignParentLeft*="true">  
  
 <TextView  
 *android:id*="@+id/myTextView"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Hello World!"  
 *android:textSize*="20sp"  
 *android:textColor*="#000000"  
 *android:typeface*="sans"  
 *android:layout\_centerInParent*="true"/>  
  
 <Button  
 *android:id*="@+id/increaseSizeButton"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Increase Size"  
 *android:layout\_below*="@+id/myTextView"  
 *android:layout\_alignParentStart*="true"  
 *android:layout\_alignParentLeft*="true" />  
  
 <Button  
 *android:id*="@+id/decreaseSizeButton"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Decrease Size"  
 *android:layout\_below*="@+id/myTextView"  
 *android:layout\_alignParentEnd*="true"  
 *android:layout\_alignParentRight*="true" />  
  
 <Button  
 *android:id*="@+id/changeColorButton"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Change Color"  
 *android:layout\_below*="@+id/increaseSizeButton"  
 *android:layout\_alignParentStart*="true"  
 *android:layout\_alignParentLeft*="true" />  
  
 <Button  
 *android:id*="@+id/changeFontButton"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Change Font"  
 *android:layout\_below*="@+id/increaseSizeButton"  
 *android:layout\_alignParentEnd*="true"  
 *android:layout\_alignParentRight*="true" />  
  
</RelativeLayout>

MainActivity.java

*package* com.example.slipno5;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.graphics.Color;  
*import* android.graphics.Typeface;  
*import* android.os.Bundle;  
*import* android.view.View;  
*import* android.widget.Button;  
*import* android.widget.TextView;  
  
*public class* MainActivity *extends* AppCompatActivity {  
  
 *private* TextView textView;  
 *private* Button increaseSizeButton;  
 *private* Button decreaseSizeButton;  
 *private* Button changeColorButton;  
 *private* Button changeFontButton;  
 *private int* fontSize = 20;  
 *private int* textColor = Color.***BLACK***;  
 *private* String fontFamily = "sans-serif";  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 textView = findViewById(R.id.*myTextView*);  
 increaseSizeButton = findViewById(R.id.*increaseSizeButton*);  
 decreaseSizeButton = findViewById(R.id.*decreaseSizeButton*);  
 changeColorButton = findViewById(R.id.*changeColorButton*);  
 changeFontButton = findViewById(R.id.*changeFontButton*);  
  
 textView.setTextSize(fontSize);  
 textView.setTextColor(textColor);  
 textView.setTypeface(Typeface.*create*(fontFamily, Typeface.***NORMAL***));  
  
 increaseSizeButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
  
 fontSize += 2;  
 textView.setTextSize(fontSize);  
 }  
 });  
  
 decreaseSizeButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
  
 *if* (fontSize >2) {  
 fontSize -= 2;  
 textView.setTextSize(fontSize);  
 }  
 }  
 });  
  
 changeColorButton.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
 textColor = Color.***RED***;  
 textView.setTextColor(textColor);  
 }  
 });  
  
 changeFontButton.setOnClickListener(*new* View.OnClickListener() {  
  
  
 @Override  
 *public void* onClick(View view) {  
  
 fontFamily = "monospace";  
 textView.setTypeface(Typeface.*create*(fontFamily, Typeface.***NORMAL***));  
 }  
 });  
 }  
}

Q.2 Create First Activity to accept information like Student First Name, Middle Name, Last Name, Date of birth, Address, Email ID and display all information on Second Activity when user click on the Submit button.

* Open your AndroidManifest.xml file and add the ResultActivity declaration within code.

<application

<!-- Other application configurations -->

<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/fname"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter stud first name"  
 *android:inputType*="text"/>  
  
 <EditText  
 *android:id*="@+id/mname"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter stud middle name"  
 *android:inputType*="text" />  
 <EditText  
 *android:id*="@+id/lname"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter last name"  
 *android:inputType*="text"/>  
 <EditText  
 *android:id*="@+id/birth\_date"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter date of birth "  
 *android:inputType*="text"/>  
  
 <EditText  
 *android:id*="@+id/address"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter address"  
 *android:inputType*="text"/>  
  
 <EditText  
 *android:id*="@+id/email\_id"  
 *android:layout\_width*="match\_parent"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 *android:hint*="Enter email id"  
 *android:inputType*="text"/>  
  
 <Button  
 *android:id*="@+id/button"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:text*="Submit"/>  
  
</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 {  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 *final* EditText editText1= findViewById(R.id.*fname*);  
 *final* EditText editText2=findViewById(R.id.*mname*);  
 *final* EditText editText3=findViewById(R.id.*lname*);  
 *final* EditText editText4=findViewById(R.id.*birth\_date*);  
 *final* EditText editText5=findViewById(R.id.*address*);  
 *final* EditText editText6=findViewById(R.id.*email\_id*);  
  
 Button button1=findViewById(R.id.*button*);  
  
 button1.setOnClickListener(*new* View.OnClickListener() {  
 @Override  
 *public void* onClick(View view) {  
 String name =editText1.getText().toString().trim();  
 String releseyr=editText2.getText().toString().trim();  
 String collection=editText3.getText().toString().trim();  
 String dob=editText4.getText().toString().trim();  
 String saddress=editText5.getText().toString().trim();  
 String emailid=editText6.getText().toString().trim();  
 Bundle bundle =*new* Bundle();  
 bundle.putString("value1",name);  
 bundle.putString("value2",releseyr);  
 bundle.putString("value3",collection);  
 bundle.putString("value4",dob);  
 bundle.putString("value5",saddress);  
 bundle.putString("value6",emailid);  
  
  
 Intent intent =*new* Intent(MainActivity.*this*, ResultActivity.*class*);  
 intent.putExtras(bundle);  
 startActivity(intent);  
 }  
 });  
  
 }  
}

activity\_result.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*=".ResultActivity">  
  
 <TextView  
 *android:id*="@+id/text\_fname"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
  
 <TextView  
 *android:id*="@+id/text\_mname"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
  
 <TextView  
 *android:id*="@+id/text\_lname"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
 <TextView  
 *android:id*="@+id/text\_birth\_date"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
 <TextView  
 *android:id*="@+id/text\_address"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
 <TextView  
 *android:id*="@+id/text\_emailid"  
 *android:layout\_width*="wrap\_content"  
 *android:layout\_height*="wrap\_content"  
 *android:layout\_gravity*="center"  
 />  
  
  
</LinearLayout>

ResultActivity.java

*package* com.example.slipno5;  
  
*import* androidx.appcompat.app.AppCompatActivity;  
*import* android.os.Bundle;  
*import* android.widget.TextView;  
  
*public class* ResultActivity *extends* AppCompatActivity {  
  
 @Override  
 *protected void* onCreate(Bundle savedInstanceState) {  
 *super*.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_result*);  
 Bundle bundle =getIntent().getExtras();  
 *if*(bundle!=*null*){  
 String value1 =bundle.getString("value1");  
 String value2 =bundle.getString("value2");  
 String value3 = bundle.getString("value3");  
 String value4 = bundle.getString("value4");  
 String value5 = bundle.getString("value5");  
 String value6 = bundle.getString("value6");  
  
 TextView textView1=findViewById(R.id.*text\_fname*);  
 TextView textView2=findViewById(R.id.*text\_mname*);  
 TextView textView3=findViewById(R.id.*text\_lname*);  
 TextView textView4=findViewById(R.id.*text\_birth\_date*);  
 TextView textView5=findViewById(R.id.*text\_address*);  
 TextView textView6=findViewById(R.id.*text\_emailid*);  
  
 textView1.setText("First Name : "+value1);  
 textView2.setText("Middle Name : "+value2);  
 textView3.setText("Last Name : "+value3);  
 textView4.setText("Date Birth : "+value4);  
 textView5.setText("Address : "+value5);  
 textView6.setText("Email : "+value6);  
 }  
 }  
}