***slip11***

***Q1.Create android application to change Font Size, Color and Font Family of String***

***Neha***

***Xml file***

<?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>

***Java file***

package com.example.slip9\_1;  
  
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*));  
}  
 });  
}  
}

***OR mam***

*<?***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"**

**android:background="@color/colorAccent"**>

<**TextView**

**android:layout\_width="wrap\_content"**

**android:layout\_height="wrap\_content"**

**android:text="Hello TYBCA!"**

**android:fontFamily="cursive"**

**android:textSize="70dp"**

**app:layout\_constraintBottom\_toBottomOf="parent"**

**app:layout\_constraintLeft\_toLeftOf="parent"**

**app:layout\_constraintRight\_toRightOf="parent"**

**app:layout\_constraintTop\_toTopOf="parent"** />

</**androidx.constraintlayout.widget.ConstraintLayout**>

***Q2.Create android first activity to accept information like student fisrt name middle name, last name date of birth. Address, Email ID and display all information on Second Activity whenever click on the Submit button***

***Xml file 1***

*<?*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:text="stud last 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="next"/>  
  
  
</LinearLayout>

***Java file 1***

package com.example.slip11studapplication;  
  
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, SecondActivity.class);  
 intent.putExtras(bundle);  
 startActivity(intent);  
 }  
 });  
  
 }  
}

**Xml file2**

*<?*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=".SecondActivity">  
  
 <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>

**Java file 2**

package com.example.slip11studapplication;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.TextView;  
  
public class SecondActivity extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_second*);  
 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(value1);  
 textView2.setText(value2);  
 textView3.setText(value3);  
 textView4.setText(value4);  
 textView5.setText(value5);  
 textView6.setText(value6);  
 }  
 }  
}