Pr-1:-

Activity.main.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"

tools:context=".MainActivity">

<TextView android:text = "Login Page"

android:layout\_width="wrap\_content"

android:layout\_height = "wrap\_content"

android:id = "@+id/textview"

android:textSize = "35dp"

android:layout\_alignParentTop = "true"

android:layout\_centerHorizontal = "true" />

<EditText

android:layout\_width = "wrap\_content"

android:layout\_height = "wrap\_content"

android:id = "@+id/ed1"

android:hint = "Enter User Name"

android:focusable = "true"

android:textColorHighlight = "#ff7eff15"

android:layout\_marginTop = "46dp"

android:layout\_alignParentLeft = "true"

android:layout\_alignParentStart = "true"

android:layout\_alignParentRight = "true"

android:layout\_alignParentEnd = "true" />

<EditText

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:inputType="textPassword"

android:ems="10"

android:id="@+id/ed2"

android:layout\_below="@+id/ed1"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true"

android:layout\_alignRight="@+id/ed1"

android:layout\_alignEnd="@+id/ed1"

android:hint="Enter Password" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Attempts Left:"

android:id="@+id/tex1"

android:layout\_below="@+id/ed2"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true"

android:textSize="25dp" />

<TextView

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="New Text"

android:id="@+id/tex3"

android:layout\_alignTop="@+id/tex1"

android:layout\_alignParentRight="true"

android:layout\_alignParentEnd="true"

android:layout\_alignBottom="@+id/tex1"

android:layout\_toEndOf="@+id/textview"

android:textSize="25dp"

android:layout\_toRightOf="@+id/textview" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="login"

android:id="@+id/button"

android:layout\_alignParentBottom="true"

android:layout\_toLeftOf="@+id/textview"

android:layout\_toStartOf="@+id/textview" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Cancel"

android:id="@+id/button2"

android:layout\_alignParentBottom="true"

android:layout\_toRightOf="@+id/textview"

android:layout\_toEndOf="@+id/textview" />

</RelativeLayout>

Main.java file:-

package com.example.demo1;

import androidx.appcompat.app.AppCompatActivity;

import androidx.lifecycle.ViewModelStoreOwner;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.TextView;

import android.widget.Toast;

import org.w3c.dom.Text;

public class MainActivity extends AppCompatActivity {

Button b1,b2;

EditText t,t1;

TextView tx1;

int couter=3;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

b1=(Button)findViewById(R.id.button);

t=(EditText)findViewById(R.id.ed1);

t1=(EditText)findViewById(R.id.ed2);

b2=(Button)findViewById(R.id.button2);

tx1=(TextView)findViewById(R.id.tex3);

tx1.setVisibility(View.GONE);

b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

if(t.getText().toString().equals("deep") && t1.getText().toString().equals("dip1040")){

Toast.makeText(getApplicationContext(),"Successfully...",Toast.LENGTH\_SHORT).show();

}else {

Toast.makeText(getApplicationContext(),"Not Successfully...",Toast.LENGTH\_LONG).show();

tx1.setVisibility(View.VISIBLE);

tx1.setBackgroundColor(Color.RED);

couter--;

tx1.setText(Integer.toString(couter));

if(couter==0)

{

b1.setEnabled(false);

}

}

}

});

b2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

finish();

}

});

}

}

**Pr-2:-**

**Activity.main.xml file:-**

<?xml version="1.0" encoding="utf-8"?>

<ScrollView

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">

<LinearLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_gravity="center"

android:orientation="vertical">

<TextView

android:text = "Login Page"

android:layout\_width="wrap\_content"

android:layout\_height = "wrap\_content"

android:id = "@+id/textview"

android:textSize = "35dp"

android:textColor="@color/colorPrimary"

android:layout\_gravity="center"

android:layout\_alignParentTop = "true"

android:layout\_centerHorizontal = "true" />

<EditText

android:id="@+id/email"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:hint="Enter Email Address"

android:layout\_margin="15dp"

android:layout\_marginTop="10dp"

android:textSize="22dp"

android:inputType="textEmailAddress"

android:background="@android:drawable/edit\_text">

</EditText>

<EditText

android:id="@+id/pass"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:hint="Enter Password"

android:layout\_margin="15dp"

android:layout\_marginTop="10dp"

android:textSize="22dp"

android:inputType="textPassword"

android:background="@android:drawable/edit\_text">

</EditText>

<Button

android:id="@+id/login"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:layout\_margin="35dp"

android:background="@android:drawable/button\_onoff\_indicator\_on"

android:text="Log In"

android:textSize="28dp">

</Button>

</LinearLayout>

</ScrollView>

Main.java file:-

package com.example.validation;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.util.Patterns;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

EditText email,password;

Button login;

boolean isEmailValid,isPasswordValid;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

email=(EditText)findViewById(R.id.email);

password=(EditText)findViewById(R.id.pass);

login=(Button)findViewById(R.id.login);

login.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

SetValidation();

}

});

}

public void SetValidation()

{

if(email.getText().toString().isEmpty())

{

email.setError(getResources().getString(R.string.email\_error));

isEmailValid=false;

}

else if (!Patterns.EMAIL\_ADDRESS.matcher(email.getText().toString()).matches())

{

email.setError(getResources().getString(R.string.error\_invalid\_email));

isEmailValid=false;

}

else

{

isEmailValid=true;

}

if(password.getText().toString().isEmpty())

{

password.setError(getResources().getString(R.string.password\_error));

isPasswordValid=false;

}

else if(password.getText().length()<6)

{

password.setError(getResources().getString(R.string.error\_invalid\_password));

isPasswordValid=false;

}

else

{

isPasswordValid=true;

}

if(isEmailValid && isPasswordValid)

{

Toast.makeText(getApplicationContext(),"Sucessfully",Toast.LENGTH\_SHORT).show();

}

}

}

String.xml file:-

<resources>

<string name="app\_name">validation</string>

<string name="prompt\_email">Email</string>

<string name="prompt\_password">Password</string>

<string name="login">Log In</string>

<string name="email\_error">Please enter a email address</string>

<string name="error\_invalid\_email">Email is not valid</string>

<string name="password\_error">Please enter a password</string>

<string name="error\_invalid\_password">Please enter a minimum password of 6 characters</string>

</resources>

Pr-3:-

Activity.main.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"

tools:context=".MainActivity">

<TextView

android:id="@+id/textView"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:layout\_centerInParent="true"

android:textSize="20dp"

android:layout\_margin="20dp"

android:layout\_marginBottom="30dp"

android:textStyle="bold"

android:textColorHint="@color/colorPrimary"

android:hint="Date And Time Picker:-"/>

<EditText

android:layout\_width="200dp"

android:layout\_height="wrap\_content"

android:id="@+id/in\_date"

android:layout\_marginTop="82dp"

android:layout\_alignParentTop="true"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="DATE PICKER"

android:id="@+id/btn\_date"

android:layout\_alignBottom="@+id/in\_date"

android:layout\_toRightOf="@+id/in\_date"

android:layout\_toEndOf="@+id/in\_date" />

<EditText

android:layout\_width="200dp"

android:layout\_height="wrap\_content"

android:id="@+id/in\_time"

android:layout\_below="@+id/in\_date"

android:layout\_alignParentLeft="true"

android:layout\_alignParentStart="true" />

<Button

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="TIME PICKER"

android:id="@+id/btn\_time"

android:layout\_below="@+id/btn\_date"

android:layout\_alignLeft="@+id/btn\_date"

android:layout\_alignStart="@+id/btn\_date" />

<TextView

android:id="@+id/textView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="20dp"

android:layout\_margin="20dp"

android:layout\_marginBottom="30dp"

android:textStyle="bold"

android:layout\_below="@+id/btn\_time"

android:textColorHint="@android:color/holo\_red\_dark"

android:hint="Demo Different Button:-"/>

<Button

android:id="@+id/bt1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="NORMAL BUTTON"

android:layout\_below="@+id/textView1"

android:layout\_margin="15dp"/>

<Button

android:id="@+id/bt2"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:background="@color/colorPrimary"

android:textColor="@android:color/white"

android:textSize="20dp"

android:layout\_below="@id/bt1"

android:layout\_marginLeft="15dp"

android:text="BACKGROUND COLOR BUTTON"/>

<Button

android:theme="@style/FlatButton"

style="@style/Widget.AppCompat.Button.Borderless.Colored"

android:id="@+id/bt3"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_margin="12dp"

android:padding="8dp"

android:textSize="20dp"

android:layout\_below="@id/bt2"

android:text="BORDERLESS BUTTON STYLED" />

<ImageView

android:id="@+id/imageView1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/bt3"/>

<Button

android:id="@+id/btnChangeImage"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_below="@id/imageView1"

android:textSize="20dp"

android:text="Change Image" />

</RelativeLayout>

Main.java file:-

package com.example.androidpr3;

import androidx.appcompat.app.AppCompatActivity;

import android.app.DatePickerDialog;

import android.app.TimePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.ImageView;

import android.widget.TimePicker;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity implements View.OnClickListener {

Button button;

ImageView image;

Button btnDatePicker, btnTimePicker;

EditText txtDate, txtTime;

int mYear, mMonth, mDay, mHour, mMinute;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

addListenerOnButton();

btnDatePicker=(Button)findViewById(R.id.btn\_date);

btnTimePicker=(Button)findViewById(R.id.btn\_time);

txtDate=(EditText)findViewById(R.id.in\_date);

txtTime=(EditText)findViewById(R.id.in\_time);

btnDatePicker.setOnClickListener(this);

btnTimePicker.setOnClickListener(this);

}

public void addListenerOnButton(){

image=(ImageView)findViewById(R.id.imageView1);

button=(Button)findViewById(R.id.btnChangeImage);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

image.setImageResource(R.drawable.ic\_launcher\_background);

}

});

}

@Override

public void onClick(View v) {

if (v == btnDatePicker) {

final Calendar c = Calendar.getInstance();

mYear = c.get(Calendar.YEAR);

mMonth = c.get(Calendar.MONTH);

mDay = c.get(Calendar.DAY\_OF\_MONTH);

DatePickerDialog datePickerDialog = new DatePickerDialog(this,

new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker view, int year,

int monthOfYear, int dayOfMonth) {

txtDate.setText(dayOfMonth + "-" + (monthOfYear + 1) + "-" + year);

}

}, mYear, mMonth, mDay);

datePickerDialog.show();

}

if (v == btnTimePicker) {

final Calendar c = Calendar.getInstance();

mHour = c.get(Calendar.HOUR\_OF\_DAY);

mMinute = c.get(Calendar.MINUTE);

TimePickerDialog timePickerDialog = new TimePickerDialog(this,

new TimePickerDialog.OnTimeSetListener() {

@Override

public void onTimeSet(TimePicker view, int hourOfDay,

int minute) {

txtTime.setText(hourOfDay + ":" + minute);

}

}, mHour, mMinute, false);

timePickerDialog.show();

}

}

}

Style.xml file:-

<resources>

<!-- Base application theme. -->

<style name="AppTheme" parent="Theme.AppCompat.Light.DarkActionBar">

<!-- Customize your theme here. -->

<item name="colorPrimary">@color/colorPrimary</item>

<item name="colorPrimaryDark">@color/colorPrimaryDark</item>

<item name="colorAccent">@color/colorAccent</item>

</style>

<style name="FlatButton" parent="Theme.AppCompat.Light">

<item name="android:textColor">@color/colorPrimaryDark</item>

<item name="colorControlHighlight">@color/colorPrimary</item>

</style>

</resources>

Pr-4:-

Activity\_main.xml:-

<?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/tvheader"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Registration Form"

android:textSize="30dp"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

<ScrollView

android:layout\_width="fill\_parent"

android:layout\_height="fill\_parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.0"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvheader"

tools:ignore="MissingConstraints">

<androidx.constraintlayout.widget.ConstraintLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/tvno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="24dp"

android:layout\_marginTop="68dp"

android:text="No"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

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

<EditText

android:id="@+id/etno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:ems="10"

android:inputType="number"

app:layout\_constraintStart\_toEndOf="@+id/tvno"

app:layout\_constraintTop\_toTopOf="@+id/tvno" />

<TextView

android:id="@+id/tvname"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="76dp"

android:text="Name"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvno" />

<EditText

android:id="@+id/etname"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:ems="10"

android:inputType="textPersonName"

app:layout\_constraintStart\_toEndOf="@+id/tvname"

app:layout\_constraintTop\_toTopOf="@+id/tvname" />

<TextView

android:id="@+id/tvaddress"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="72dp"

android:text="Address"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvname" />

<EditText

android:id="@+id/etaddress"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:ems="10"

android:gravity="start|top"

android:inputType="textMultiLine"

app:layout\_constraintStart\_toEndOf="@+id/tvaddress"

app:layout\_constraintTop\_toTopOf="@+id/tvaddress" />

<TextView

android:id="@+id/tvcity"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="76dp"

android:text="City"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvaddress" />

<EditText

android:id="@+id/etcity"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:ems="10"

android:inputType="textPersonName"

app:layout\_constraintStart\_toEndOf="@+id/tvcity"

app:layout\_constraintTop\_toTopOf="@+id/tvcity" />

<TextView

android:id="@+id/tvgender"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="68dp"

android:text="Gender"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvcity" />

<RadioGroup

android:id="@+id/rbgoup"

android:layout\_width="223dp"

android:layout\_height="115dp"

android:layout\_marginStart="68dp"

app:layout\_constraintStart\_toEndOf="@+id/tvgender"

app:layout\_constraintTop\_toTopOf="@+id/tvgender">

<RadioButton

android:id="@+id/rbmale"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:text="Male"

android:textSize="15dp"

app:layout\_constraintStart\_toEndOf="@+id/tvgender"

app:layout\_constraintTop\_toTopOf="@+id/tvgender" />

<RadioButton

android:id="@+id/rbfemale"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="8dp"

android:text="Female"

android:textSize="15dp"

app:layout\_constraintStart\_toEndOf="@+id/rbmale"

app:layout\_constraintTop\_toTopOf="@+id/rbmale" />

</RadioGroup>

<TextView

android:id="@+id/tvbdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="28dp"

android:layout\_marginTop="120dp"

android:text="Birth Date"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvgender" />

<TextView

android:id="@+id/tvselectbdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:text="Select Your Birth Date"

android:textSize="15dp"

app:layout\_constraintStart\_toEndOf="@+id/tvbdate"

app:layout\_constraintTop\_toTopOf="@+id/tvbdate" />

<TextView

android:id="@+id/tvcno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="40dp"

android:text="Contact No"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvbdate" />

<EditText

android:id="@+id/etcno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="36dp"

android:ems="10"

android:inputType="phone"

app:layout\_constraintStart\_toEndOf="@+id/tvcno"

app:layout\_constraintTop\_toTopOf="@+id/tvcno" />

<TextView

android:id="@+id/tvmail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="64dp"

android:text="E-mail"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvcno" />

<EditText

android:id="@+id/etmail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:ems="10"

android:inputType="textEmailAddress"

app:layout\_constraintStart\_toEndOf="@+id/tvmail"

app:layout\_constraintTop\_toTopOf="@+id/tvmail" />

<TextView

android:id="@+id/tvcourse"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="64dp"

android:text="Course"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvmail" />

<Spinner

android:id="@+id/spinner"

android:layout\_width="240dp"

android:layout\_height="23dp"

android:layout\_marginStart="80dp"

android:entries="@array/courses"

app:layout\_constraintStart\_toEndOf="@+id/tvcourse"

app:layout\_constraintTop\_toTopOf="@+id/tvcourse" />

<TextView

android:id="@+id/tvinterest"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="48dp"

android:text="Interest"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvcourse" />

<CheckBox

android:id="@+id/cbwebdevlopment"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

android:text="Web Devlopment"

app:layout\_constraintStart\_toEndOf="@+id/tvinterest"

app:layout\_constraintTop\_toTopOf="@+id/tvinterest" />

<CheckBox

android:id="@+id/cbios"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="20dp"

android:text="IOS"

app:layout\_constraintStart\_toEndOf="@+id/cbwebdevlopment"

app:layout\_constraintTop\_toTopOf="@+id/cbwebdevlopment" />

<CheckBox

android:id="@+id/cbandroid"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginTop="20dp"

android:text="Android"

app:layout\_constraintStart\_toStartOf="@+id/cbwebdevlopment"

app:layout\_constraintTop\_toBottomOf="@+id/cbwebdevlopment" />

<CheckBox

android:id="@+id/cbwebdesigning"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="20dp"

android:text="Web Designing"

app:layout\_constraintStart\_toEndOf="@+id/cbandroid"

app:layout\_constraintTop\_toTopOf="@+id/cbandroid" />

<TextView

android:id="@+id/tvrating"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="32dp"

android:layout\_marginTop="48dp"

android:text="Rating"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/cbandroid" />

<RatingBar

android:id="@+id/ratingBar"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="80dp"

app:layout\_constraintStart\_toEndOf="@+id/tvrating"

app:layout\_constraintTop\_toTopOf="@+id/tvrating" />

<ToggleButton

android:id="@+id/toggleButton"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="84dp"

android:text="ToggleButton"

android:textOff="NO"

android:textOn="YES"

app:layout\_constraintStart\_toEndOf="@+id/tvtoggle"

app:layout\_constraintTop\_toTopOf="@+id/tvtoggle" />

<TextView

android:id="@+id/tvtoggle"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="16dp"

android:layout\_marginTop="100dp"

android:text="Are You Student?"

android:textSize="20dp"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toBottomOf="@+id/tvrating" />

<Button

android:id="@+id/bsubmit"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:layout\_marginStart="4dp"

android:layout\_marginTop="64dp"

android:text="Submit"

android:textSize="25dp"

app:layout\_constraintStart\_toStartOf="@+id/toggleButton"

app:layout\_constraintTop\_toBottomOf="@+id/toggleButton" />

</androidx.constraintlayout.widget.ConstraintLayout>

</ScrollView>

</androidx.constraintlayout.widget.ConstraintLayout>

Mainactivity.java:-

package com.example.pr4;

import androidx.annotation.StringRes;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.app.DatePickerDialog;

import android.content.Context;

import android.content.Intent;

import android.graphics.Color;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.CompoundButton;

import android.widget.DatePicker;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.RatingBar;

import android.widget.Spinner;

import android.widget.TextView;

import android.widget.Toast;

import android.widget.ToggleButton;

import java.util.ArrayList;

import java.util.Calendar;

import static android.widget.Toast.\*;

public class MainActivity extends AppCompatActivity {

TextView tvheader,tvno,tvname,tvaddress,tvcity,tvgender,tvbdate,tvselectbdate,tvcno,tvmail,tvcourse,tvinterest,tvrating,tvtoggle;

Button submit;

EditText etno,etname,etaddress,etcity,etcno,etmail;

RadioButton rb;

RadioGroup radioGroup;

Spinner spinner;

CheckBox cbdesign,cbdevlop,cbandroid,cbios;

RatingBar ratingBar;

ToggleButton toggleButton;

float rate;

String select;

Context context;

@SuppressLint("ResourceType")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

etno = (EditText) findViewById(R.id.etno);

etname = (EditText) findViewById(R.id.etname);

etaddress = (EditText) findViewById(R.id.etaddress);

etcity = (EditText) findViewById(R.id.etcity);

etcno = (EditText) findViewById(R.id.etcno);

etmail = (EditText) findViewById(R.id.etmail);

radioGroup = (RadioGroup)findViewById(R.id.rbgoup);

spinner = (Spinner)findViewById(R.id.spinner);

cbandroid = (CheckBox)findViewById(R.id.cbandroid);

cbios = (CheckBox)findViewById(R.id.cbios);

cbdesign = (CheckBox)findViewById(R.id.cbwebdesigning);

cbdevlop = (CheckBox)findViewById(R.id.cbwebdevlopment);

tvselectbdate = (TextView)findViewById(R.id.tvselectbdate);

ratingBar = (RatingBar)findViewById(R.id.ratingBar);

changestatusofcontrol(View.INVISIBLE);

toggleButton = (ToggleButton)findViewById(R.id.toggleButton);

submit = (Button)findViewById(R.id.bsubmit);

tvcourse = (TextView)findViewById(R.id.tvcourse);

//course =(String[])findViewById(R.array[course]);

//toggleButton.setChecked(false);

context=this;

tvselectbdate.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

DatePickerDialog datePickerDialog=new DatePickerDialog(context, new DatePickerDialog.OnDateSetListener() {

@Override

public void onDateSet(DatePicker datePicker, int i, int i1, int i2) {

tvselectbdate.setText(i2+"/"+i1+"/"+i);

}

},1990,10,02);

datePickerDialog.show();

}

});

spinner.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {

select = adapterView.getItemAtPosition(i).toString();

// tvcourse.setText(select);

//Toast.makeText(MainActivity.this,"selected==="+adapterView.getItemAtPosition(i).toString(), Toast.LENGTH\_SHORT).show();

}

@Override

public void onNothingSelected(AdapterView<?> adapterView) {

// Toast.makeText(MainActivity.this,"please select", LENGTH\_SHORT).show();

}

});

submit.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

int select\_id = radioGroup.getCheckedRadioButtonId();

rb = (RadioButton)findViewById(select\_id);

StringBuffer result = new StringBuffer();

result.append("\n android : ").append(cbandroid.isChecked());

result.append("\n ios : ").append(cbios.isChecked());

result.append("\n web devloapment : ").append(cbdevlop.isChecked());

result.append("\n web designing : ").append(cbdesign.isChecked());

ratingBar.setOnRatingBarChangeListener(

new RatingBar.OnRatingBarChangeListener() {

@Override

public void onRatingChanged(RatingBar ratingBar, float v, boolean b) {

rate = ratingBar.getRating();

}

}

);

Intent intent = new Intent(MainActivity.this,MainActivity2.class);

intent.putExtra("no",etno.getText().toString());

intent.putExtra("name",etname.getText().toString());

intent.putExtra("address",etaddress.getText().toString());

intent.putExtra("city",etcity.getText().toString());

intent.putExtra("gender",rb.getText().toString());

intent.putExtra("cno",etcno.getText().toString());

intent.putExtra("mail",etmail.getText().toString());

intent.putExtra("intrest",result.toString());

Intent rating = intent.putExtra("rating", String.valueOf(rate));

intent.putExtra("course",select);

intent.putExtra("bdate",tvselectbdate.getText().toString());

startActivity(intent);

}

});

toggleButton.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener(){

@Override

public void onCheckedChanged(CompoundButton compoundButton, boolean b) {

if (b) changestatusofcontrol(View.VISIBLE);

else changestatusofcontrol(View.INVISIBLE);

}

});

}

private void changestatusofcontrol(int MYVISIBILITY) {

//tvcourse.setVisibility(MYVISIBILITY);

spinner.setVisibility(MYVISIBILITY);

// tvinterest.setVisibility(MYVISIBILITY);

cbios.setVisibility(MYVISIBILITY);

cbdevlop.setVisibility(MYVISIBILITY);

cbdesign.setVisibility(MYVISIBILITY);

cbandroid.setVisibility(MYVISIBILITY);

}

}

Activity\_student.xml:-

<?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">

<TableLayout

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:layout\_editor\_absoluteX="53dp"

tools:layout\_editor\_absoluteY="224dp">

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/no"

android:layout\_width="205dp"

android:layout\_height="wrap\_content"

android:text="No"

android:textSize="15dp" />

<TextView

android:id="@+id/vno"

android:layout\_width="205dp"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" >

<TextView

android:id="@+id/name"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Name"

android:textSize="15dp" />

<TextView

android:id="@+id/vname"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" >

<TextView

android:id="@+id/address"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Address"

android:textSize="15dp" />

<TextView

android:id="@+id/vaddress"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent" >

<TextView

android:id="@+id/city"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="City"

android:textSize="15dp" />

<TextView

android:id="@+id/vcity"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/gender"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Gender"

android:textSize="15dp" />

<TextView

android:id="@+id/vgender"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/bdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Birth Date"

android:textSize="15dp" />

<TextView

android:id="@+id/vbdate"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/cno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Contact No"

android:textSize="15dp" />

<TextView

android:id="@+id/vcno"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/mail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Email"

android:textSize="15dp" />

<TextView

android:id="@+id/vmail"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/course"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Course"

android:textSize="15dp" />

<TextView

android:id="@+id/vcourse"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/interest"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Interest"

android:textSize="15dp" />

<TextView

android:id="@+id/vinterest"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<TextView

android:id="@+id/rating"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Rating"

android:textSize="15dp" />

<TextView

android:id="@+id/vrating"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:textSize="15dp" />

</TableRow>

<TableRow

android:layout\_width="match\_parent"

android:layout\_height="match\_parent">

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="OK" />

</TableRow>

</TableLayout>

</androidx.constraintlayout.widget.ConstraintLayout>

Secondactivity.java:-

package com.example.pr4;

import androidx.appcompat.app.AlertDialog;

import androidx.appcompat.app.AppCompatActivity;

import android.content.DialogInterface;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity2 extends AppCompatActivity {

TextView no,vno,name,vname,address,vaddress,city,vcity,gender,vgender,bdate,vbdate,cno,vcno,mail,vmail,course,vcourse,interest,vinterest,rating,vrating;

Button button;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main2);

vno = (TextView)findViewById(R.id.vno);

vname = (TextView)findViewById(R.id.vname);

vaddress = (TextView)findViewById(R.id.vaddress);

vcity = (TextView)findViewById(R.id.vcity);

vgender = (TextView)findViewById(R.id.vgender);

vbdate=(TextView)findViewById(R.id.vbdate);

vcno = (TextView)findViewById(R.id.vcno);

vmail = (TextView)findViewById(R.id.vmail);

vcourse = (TextView)findViewById(R.id.vcourse);

vinterest = (TextView)findViewById(R.id.vinterest);

vrating = (TextView)findViewById(R.id.vrating);

button = (Button)findViewById(R.id.button);

String no = getIntent().getStringExtra("no").toString();

String name = getIntent().getStringExtra("name").toString();

String address = getIntent().getStringExtra("address").toString();

String city = getIntent().getStringExtra("city").toString();

String gender = getIntent().getStringExtra("gender").toString();

String cno = getIntent().getStringExtra("cno").toString();

String mail = getIntent().getStringExtra("mail").toString();

String intrest = getIntent().getStringExtra("intrest").toString();

String rating = getIntent().getStringExtra("rating").toString();

String course = getIntent().getStringExtra("course").toString();

String bdate = getIntent().getStringExtra("bdate").toString();

vno.setText(no);

vname.setText(name);

vaddress.setText(address);

vcity.setText(city);

vgender.setText(gender);

vcno.setText(cno);

vmail.setText(mail);

vinterest.setText(intrest);

vrating.setText(rating);

vcourse.setText(course);

vbdate.setText(bdate);

button.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

AlertDialog.Builder a\_Builder = new AlertDialog.Builder(MainActivity2.this);

a\_Builder.setMessage("do you want to close this app?").setCancelable(false).setPositiveButton("yes", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialogInterface, int i) {

finish();

onDestroy();

}

})

.setNegativeButton("no", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialogInterface, int i) {

dialogInterface.cancel();

}

});

AlertDialog alert = a\_Builder.create();

alert.setTitle("Alert!!!");

alert.show();

}

});

}

}