**Assignment No:-01**

**Assignment Name: - Android Form Based Application to Perform at least two arithmetic Operations (+ - \* /) on button click. Every action should have separate button.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.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"  
android:background="#789689"  
tools:context=".MainActivity">  
  
<EditText  
android:id="@+id/etNum1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:ems="10"  
android:hint="Enter The Num1"  
android:inputType="number"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.222" />  
  
<EditText  
android:id="@+id/etNum2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:ems="10"  
android:hint="Enter The Num2"  
android:inputType="number"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.397" />  
  
<Button  
android:id="@+id/btn"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:text="Add "  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.296"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.544" />  
  
<TextView  
android:id="@+id/tvAns"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:text="Result"  
android:textSize="30sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.498"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.83" />  
  
<Button  
android:id="@+id/btn1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:text="Sub"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.703"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.544" />  
  
<Button  
android:id="@+id/btn3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:text="Div"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.296"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.68" />  
  
<Button  
android:id="@+id/btn4"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:text="Mult"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.703"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.68" />  
  
</androidx.constraintlayout.widget.ConstraintLayout>

**MainActivity.java**

**--------------------------------------------------------------------------------------------------------------------------------------**

package com.example.addition2no;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
private EditText num1,num2;  
private Button add,sub,div,mult;  
private TextView result;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
num1 =(EditText)findViewById(R.id.*etNum1*);  
num2 =(EditText)findViewById(R.id.*etNum2*);  
add=(Button)findViewById(R.id.*btn*);  
sub=(Button)findViewById(R.id.*btn1*);  
div=(Button)findViewById(R.id.*btn3*);  
mult=(Button)findViewById(R.id.*btn4*);  
result=(TextView)findViewById(R.id.*tvAns*);  
  
add.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
int number1=Integer.*parseInt*(num1.getText().toString());  
int number2=Integer.*parseInt*(num2.getText().toString());  
int sum= number1+number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Addition Successfull="+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
sub.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
int number1=Integer.*parseInt*(num1.getText().toString());  
int number2=Integer.*parseInt*(num2.getText().toString());  
int sum= number1-number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Substraction Successfull="+sum, Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
  
div.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
int number1=Integer.*parseInt*(num1.getText().toString());  
int number2=Integer.*parseInt*(num2.getText().toString());  
int sum= number1/number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Division Successfull="+sum, Toast.*LENGTH\_SHORT*).show();  
  
 }  
 });  
  
mult.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
int number1=Integer.*parseInt*(num1.getText().toString());  
int number2=Integer.*parseInt*(num2.getText().toString());  
int sum= number1\*number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Multiplication Successfull="+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 }  
}

**Assignment No:-02**

**Assignment Name: - Android Program to Show Three CheckBox and One Button, On Button click show selected checkbox name On Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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:background="#34acac"  
tools:context=".MainActivity">  
  
<CheckBox  
android:id="@+id/c1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="140dp"  
android:layout\_y="154dp"  
android:text="Python" />  
  
<CheckBox  
android:id="@+id/c2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="138dp"  
android:layout\_y="208dp"  
android:text="AndroiD" />  
  
<CheckBox  
android:id="@+id/c3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="139dp"  
android:layout\_y="265dp"  
android:text="Kotlin" />  
  
<CheckBox  
android:id="@+id/c4"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="136dp"  
android:layout\_y="319dp"  
android:text="JavaScript" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="140dp"  
android:layout\_height="wrap\_content"  
android:layout\_x="118dp"  
android:layout\_y="399dp"  
android:text="Submit" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.checkbox;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 CheckBox P1,A1,K1,J1;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
P1=findViewById(R.id.*c1*);  
A1=findViewById(R.id.*c2*);  
K1=findViewById(R.id.*c3*);  
J1=findViewById(R.id.*c4*);  
  
 Button btn= findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String str="";  
if(P1.isChecked())  
 {  
 str +=""+ P1.getText();  
 }  
if(A1.isChecked())  
 {  
 str +=""+ A1.getText();  
 }  
if(K1.isChecked())  
 {  
 str +=""+ K1.getText();  
 }  
if(J1.isChecked())  
 {  
 str +=""+ J1.getText();  
 }  
 Toast.*makeText*(MainActivity.this, str, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 }  
  
}

**Assignment No:-03**

**Assignment Name: - Android Program to Show Date Picker or Time Picker on button click and Show selected date or time on Text View or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="155dp"  
android:layout\_y="185dp"  
android:text="Hello World!"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.517"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.605" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="153dp"  
android:layout\_y="309dp"  
android:text="Button"  
tools:layout\_editor\_absoluteX="162dp"  
tools:layout\_editor\_absoluteY="341dp" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="92dp"  
android:layout\_y="228dp"  
android:ems="10"  
android:inputType="textPersonName"  
tools:layout\_editor\_absoluteX="109dp"  
tools:layout\_editor\_absoluteY="264dp" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.datetimepic02;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.annotation.SuppressLint;  
import android.app.DatePickerDialog;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.DatePicker;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.util.Calendar;  
  
public class MainActivity extends AppCompatActivity {  
 DatePickerDialog picker;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
final EditText editText=findViewById(R.id.*editText*);  
 editText.setOnClickListener(new View.OnClickListener() {  
@SuppressLint("NewApi")  
@Override  
public void onClick(View view) {  
 Calendar cal=Calendar.*getInstance*();  
int day=cal.get(Calendar.*DAY\_OF\_MONTH*);  
final int month=cal.get(Calendar.*MONTH*);  
final int year=cal.get(Calendar.*YEAR*);  
  
picker= new DatePickerDialog(MainActivity.this, new DatePickerDialog.OnDateSetListener() {  
@Override  
public void onDateSet(DatePicker datePicker, int i, int i1, int i2) {  
editText.setText(i2+"-"+(i1+1)+"-"+i);  
  
 }  
 },year, month, day);  
picker.show();  
 }  
 });  
final TextView textView=findViewById(R.id.*textview*);  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 Toast.*makeText*(MainActivity.this,editText.getText(), Toast.*LENGTH\_SHORT*).show();  
textView.setText(editText.getText());  
 }  
 });  
  
 }  
}

**Assignment No:-04**

**Assignment Name: - Android Program to Show "Welcome to NMU" On Alert Dialog Box on button click.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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:background=" #bfa9ae "  
tools:context=".MainActivity">  
  
<Button  
android:id="@+id/button"  
android:layout\_width="174dp"  
android:layout\_height="76dp"  
android:layout\_x="117dp"  
android:layout\_y="271dp"  
android:background="#2C9191"  
android:text="AlertBox"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.alertboxdemo;  
  
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.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 Button alertbtn;  
 AlertDialog.Builder builder;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
alertbtn=(Button)findViewById(R.id.*button*);  
builder=new AlertDialog.Builder(this);  
alertbtn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
builder.setMessage(R.string.*dialog\_message*).setTitle(R.string.*dialog\_title*);  
builder.setMessage("Do You Want To Close This Application").setCancelable(false)  
 .setPositiveButton("Yes", new DialogInterface.OnClickListener() {  
@Override  
public void onClick(DialogInterface dialogInterface, int i) {  
 finish();  
 Toast.*makeText*(getApplicationContext(),"You Choose Yes Action For AlertBox",Toast.*LENGTH\_SHORT*).show();  
 }  
 }).setNegativeButton("No", new DialogInterface.OnClickListener() {  
@Override  
public void onClick(DialogInterface dialogInterface, int i) {  
 dialogInterface.cancel();  
 Toast.*makeText*(getApplicationContext(),"You Choose No Action For AlertBox",Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 AlertDialog alert=builder.create();  
 alert.setTitle("Welcome To NMU");  
 alert.show();  
  
 }  
 });  
 }  
}

**Assignment No:-05**

**Assignment Name: - Android Program to Change the Image Displayed on the Screen. Display Two Radio Button with name of two different image name. On Selection of Radio button show appropriate image on image view.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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:id="@+id/lay">  
  
<TextView  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="104dp"  
android:layout\_y="118dp"  
android:text="Radio\_Image"  
android:textAllCaps="true"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<RadioGroup  
android:layout\_width="220dp"  
android:layout\_height="77dp"  
android:layout\_x="97dp"  
android:layout\_y="178dp">  
  
<RadioButton  
android:id="@+id/rb1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="Dislpay1"  
android:textSize="18sp"  
android:textStyle="bold" />  
  
<RadioButton  
android:id="@+id/rb2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:text="Diaplay2"  
android:textSize="18sp"  
android:textStyle="bold" />  
</RadioGroup>  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.radiowithimg;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AbsoluteLayout;  
import android.widget.RadioButton;  
  
public class MainActivity extends AppCompatActivity {  
 RadioButton r1,r2;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
*// RadioButton r1,r2;*final AbsoluteLayout layout=findViewById(R.id.*lay*);  
r1=findViewById(R.id.*rb1*);  
r2=findViewById(R.id.*rb2*);  
  
r1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
layout.setBackgroundResource(R.drawable.*rr*);  
 }  
 });  
r2.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
layout.setBackgroundResource(R.drawable.*rrr*);  
 }  
 });  
 }  
}

**Assignment No:-06**

**Assignment Name: - Android Program to Show EditView and Button and on button click show the "Welcome to NMU" on TextView.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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/textview1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="124dp"  
android:layout\_y="188dp"  
android:text="Hello World!"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="93dp"  
android:layout\_y="248dp"  
android:ems="10"  
android:hint="Enter Text"  
android:inputType="textPersonName" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="158dp"  
android:layout\_y="314dp"  
android:text="Show"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.messageontxt;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
  
 EditText editText1;  
  
 @Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 editText1=findViewById(R.id.editText);  
final TextView textView=findViewById(R.id.textview1);  
 Button btn=findViewById(R.id.button);  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
public void onClick(View view) {  
 String str="\nName:-"+editText1.getText().toString();  
 textView.setText(""+str);  
 Toast.makeText(MainActivity.this, str , Toast.LENGTH\_SHORT).show();  
 }  
 });  
 }  
}

**Assignment No:-07**

**Assignment Name: Android Program to Demonstrate to use of atleast two Layout in Application.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

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**Activity\_mail.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:paddingBottom="16dp"  
android:paddingLeft="16dp"  
android:paddingRight="16dp"  
android:paddingTop="16dp"  
android:orientation="vertical"  
tools:context=".MainActivity">  
  
  
<RelativeLayout  
android:layout\_weight=".5"  
android:layout\_width="match\_parent"  
android:layout\_height="match\_parent"  
android:background="@drawable/abc">  
  
</RelativeLayout>  
  
<RelativeLayout  
android:layout\_weight=".5"  
android:layout\_width="match\_parent"  
android:layout\_height="match\_parent"  
android:background="@drawable/xyz">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="365dp"  
android:layout\_height="65dp"  
android:layout\_alignParentEnd="true"  
android:layout\_alignParentRight="true"  
android:layout\_alignParentBottom="true"  
android:layout\_marginEnd="-44dp"  
android:layout\_marginRight="-44dp"  
android:layout\_marginBottom="71dp"  
android:text="Tere\_Jaisa\_Yar\_Kaha.."  
android:textColor="#E6AD0F"  
android:textSize="30sp"  
android:textStyle="bold" />  
</RelativeLayout>  
</LinearLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

packagecom.example.twolayout;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
}

**Styles.xml**

**---------------------------------------------------------------------------------------------------------**

<resources>  
  
*<!-- Base application theme. -->*<style name="AppTheme" parent="Theme.AppCompat.NoActionBar">  
*<!-- Customize your theme here. -->*<item name="colorPrimary">@color/colorPrimary</item>  
<item name="colorPrimaryDark">@color/colorPrimaryDark</item>  
<item name="colorAccent">@color/colorAccent</item>  
</style>  
  
</resources>

**Assignment No:-08**

**Assignment Name: - Android Program to Show Two Edit View (Numeric) and One Button and on button click show the multiplication of entered numbers on TextView or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/croppp">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="181dp"  
android:layout\_height="54dp"  
android:layout\_x="117dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter 1st Number"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter 2nd Number"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="347dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.multiplication2no;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
public class MainActivity extends AppCompatActivity {  
private EditText num1,num2;  
private Button multi;  
private TextView result;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
num1=findViewById(R.id.*editText*);  
num2=findViewById(R.id.*editText2*);  
result=findViewById(R.id.*textView*);  
multi=findViewById(R.id.*button*);  
multi.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
long number1=Integer.*parseInt*(num1.getText().toString());  
long number2=Integer.*parseInt*(num2.getText().toString());  
long sum= number1\*number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Multiplication Are:-"+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-09**

**Assignment Name: - Android Program to draw various shapes (Three Shapes) and fill it with red color.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**MainActivity.java**

package com.example.drawshapedemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.graphics.Paint;  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
*//setContentView(R.layout.activity\_main);*setContentView(new Page\_view(this));  
  
 }  
}

**Page\_View.java (Class File)**

**---------------------------------------------------------------------------------------------------------**

package com.example.drawshapedemo;  
import android.content.Context;  
import android.graphics.Canvas;  
import android.graphics.Color;  
import android.graphics.Paint;  
import android.view.View;  
  
import java.util.ArrayList;  
public class Page\_view extends View {  
private Paint myPaint;  
private int ViewHeight,viewWidth;  
public Page\_view(Context context) {  
super(context);  
  
myPaint=new Paint();  
  
myPaint.setColor(Color.*YELLOW*);  
  
myPaint.setAntiAlias(true);  
  
myPaint.setStyle(Paint.Style.*FILL*);  
 }  
  
@Override  
public void addChildrenForAccessibility(ArrayList<View> outChildren) {  
super.addChildrenForAccessibility(outChildren);  
 }  
  
@Override  
protected void onSizeChanged(int w, int h, int oldw, int oldh) {  
viewWidth=w;  
ViewHeight=h;  
super.onSizeChanged(w, h, oldw, oldh);  
 }  
  
@Override  
protected void onDraw(Canvas canvas) {  
super.onDraw(canvas);  
 canvas.drawColor(Color.*LTGRAY*);  
*// Draw circle with fill color  
 // myPaint used for applying already declared styles*canvas.drawRect(10,10,100,100,myPaint);  
 canvas.drawCircle(viewWidth / 2, ViewHeight / 2, 100, myPaint);  
 canvas.drawLine(110,110,200,200,myPaint);  
  
*// Draw circle with stroke color*myPaint.setColor(Color.*RED*);  
myPaint.setStyle(Paint.Style.*STROKE*);  
*// Apply stroke size*myPaint.setStrokeWidth(10);  
*// Draw circle again*canvas.drawRect(110, 110,200,200,myPaint);  
 canvas.drawCircle(200, ViewHeight/2, 100, myPaint);  
  
 canvas.drawLine(10,10,100,100,myPaint);  
 }  
}

**Assignment No:-10**

**Assignment Name: - Android Program to Show Two Edit View (Numeric) and One Button and on button click show the addition of entered numbers on TextView or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/croppp">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="181dp"  
android:layout\_height="54dp"  
android:layout\_x="117dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter 1st Number"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter 2nd Number"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="347dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.multiplication2no;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
public class MainActivity extends AppCompatActivity {  
private EditText num1,num2;  
private Button add;  
private TextView result;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
num1=findViewById(R.id.*editText*);  
num2=findViewById(R.id.*editText2*);  
result=findViewById(R.id.*textView*);  
add=findViewById(R.id.*button*);  
add.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
long number1=Integer.*parseInt*(num1.getText().toString());  
long number2=Integer.*parseInt*(num2.getText().toString());  
long sum= number1+number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Addition Is:-"+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-11**

**Assignment Name: - Android Program to Show "Welcome to NMU" On Alert Dialog Box on button click.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="142dp"  
android:layout\_y="155dp"  
android:text="Hello World!"  
android:textColor="#E91E63"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.155" />  
  
<ProgressBar  
android:id="@+id/progressBar"  
style="?android:attr/progressBarStyleHorizontal"  
android:layout\_width="259dp"  
android:layout\_height="43dp"  
android:layout\_x="73dp"  
android:layout\_y="218dp" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="106dp"  
android:layout\_height="wrap\_content"  
android:layout\_x="140dp"  
android:layout\_y="300dp"  
android:text="Start Progress"  
/>  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.pgssbardemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.os.Handler;  
import android.view.View;  
import android.widget.Button;  
import android.widget.ProgressBar;  
import android.widget.TextView;  
  
public class MainActivity extends AppCompatActivity {  
private int i=0;  
private ProgressBar progressBar;  
private TextView textView;  
private Handler hdlr=new Handler();  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
progressBar=(ProgressBar) findViewById(R.id.*progressBar*);  
 Button btn=findViewById(R.id.*button*);  
textView=(TextView) findViewById(R.id.*textview*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
i=progressBar.getProgress();  
i=0;  
new Thread(new Runnable() {  
@Override  
public void run() {  
while (i<100)  
 {  
i+=1;  
hdlr.post(new Runnable() {  
@Override  
public void run() {  
progressBar.setProgress(i);  
textView.setText(i+"/"+progressBar.getMax());  
 }  
 });  
try {  
 Thread.*sleep*(100);  
  
 }catch (InterruptedException e){  
 e.printStackTrace();  
 }  
  
 }  
 }  
 }).start();  
 }  
 });  
  
 }  
  
}

**Assignment No:-12**

**Assignment Name: - Android Program to Show Two Edit View (Numeric) and One Button and on button click show the substraction of entered numbers on TextView or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/croppp">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="181dp"  
android:layout\_height="54dp"  
android:layout\_x="117dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter 1st Number"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter 2nd Number"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="347dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.multiplication2no;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
  
public class MainActivity extends AppCompatActivity {  
private EditText num1,num2;  
private Button sub;  
private TextView result;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
num1=findViewById(R.id.*editText*);  
num2=findViewById(R.id.*editText2*);  
result=findViewById(R.id.*textView*);  
sub=findViewById(R.id.*button*);  
sub.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
long number1=Integer.*parseInt*(num1.getText().toString());  
long number2=Integer.*parseInt*(num2.getText().toString());  
long sum= number1+number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Substraction is:-"+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-13**

**Assignment Name: - Android Program to Show the Spinner and show selected item on toast view**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.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"  
>  
  
<TextView  
android:id="@+id/txtVw"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="50dp"  
android:layout\_marginTop="150dp"  
android:text="Select Uesr"  
android:textSize="18sp"  
android:textStyle="bold">  
  
</TextView>  
  
<Spinner  
android:id="@+id/spinner"  
android:layout\_width="272dp"  
android:layout\_height="50dp"  
android:layout\_alignBottom="@+id/txtVw"  
android:layout\_marginLeft="3dp"  
android:layout\_marginBottom="-13dp"  
android:layout\_toRightOf="@+id/txtVw" />  
  
</RelativeLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.spiner1;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity implements AdapterView.OnItemSelectedListener {  
 String Party[]={"BJP","MNS","ShivSena","Rashtrwadi"};  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 Spinner spin=(Spinner)findViewById(R.id.*spinner*);  
 ArrayAdapter<String> adapter=new ArrayAdapter<String>(MainActivity.this,android.R.layout.*simple\_spinner\_item*,Party);  
 adapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 spin.setAdapter(adapter);  
 spin.setOnItemSelectedListener(MainActivity.this);  
  
 }  
  
@Override  
public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {  
 Toast.*makeText*(this, "Selected Party :-"+Party[i], Toast.*LENGTH\_SHORT*).show();  
  
 }  
  
@Override  
public void onNothingSelected(AdapterView<?> adapterView) {  
  
 }  
}

**Assignment No:-14**

**Assignment Name: - Android Program to Show "Hello Word" On Alert Dialog Box on button click.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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/textview1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="124dp"  
android:layout\_y="188dp"  
android:text="Hello World!"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="93dp"  
android:layout\_y="248dp"  
android:ems="10"  
android:hint="Enter Text"  
android:inputType="textPersonName" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="158dp"  
android:layout\_y="314dp"  
android:text="Show"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.messageontxt;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
  
 EditText editText1;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
editText1=findViewById(R.id.*editText*);  
final TextView textView=findViewById(R.id.*textview1*);  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String str="\nName:-"+editText1.getText().toString();  
textView.setText(""+str);  
 Toast.*makeText*(MainActivity.this, str , Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-15**

**Assignment Name: - Android Program to Show List View on Button Click. Show selected list item on Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?***xml version="1.0" encoding="utf-8"***?>*<**AbsoluteLayout 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"**>  
  
<**ListView  
android:id="@+id/listview"  
android:layout\_width="367dp"  
android:layout\_height="604dp"  
android:layout\_x="20dp"  
android:layout\_y="19dp"** />  
  
</**AbsoluteLayout**>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

**package** com.example.listviewdemo;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.AdapterView;  
**import** android.widget.ArrayAdapter;  
**import** android.widget.ListView;  
**import** android.widget.Toast;  
  
**public class** MainActivity **extends** AppCompatActivity {  
 String []**I\_MCA**={**"priya"**,**"Bena"**,**"Nikki"**,**"Akshay"**,**"Pappu"**,**"Chandu"**,**"Minu"**,**"Akole"**};  
@Override  
**protected void** onCreate(Bundle savedInstanceState) {  
**super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
  
 ListView listView=findViewById(R.id.***listview***);  
 String[]array=getResources().getStringArray(R.array.***I\_MCA***);  
**final** ArrayAdapter<String> arrayAdapter=**new** ArrayAdapter<String>(MainActivity.**this**,  
 android.R.layout.***simple\_list\_item\_1***,android.R.id.***text1***,**I\_MCA**);  
 listView.setAdapter(arrayAdapter);  
 listView.setOnItemClickListener(**new** AdapterView.OnItemClickListener() {  
@Override  
**public void** onItemClick(AdapterView<?> adapterView, View view, **int** i, **long** l) {  
 Toast.*makeText*(MainActivity.**this**, **"Selcted item:-"**+arrayAdapter.getItem(i), Toast.***LENGTH\_SHORT***).show();  
 }  
 });  
 }  
}

**Assignment No:-16**

**Assignment Name: - Android Program to Show Two EditView (FName &Name) and One Button and on button click show the entered FName and LName on TextView or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/img">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="181dp"  
android:layout\_height="54dp"  
android:layout\_x="117dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter FName"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter LName"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="347dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.a2editviewbtn;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText editText1,editText2;  
 Button btn;  
 TextView textView1;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
textView1=findViewById(R.id.*textView*);  
editText1=findViewById(R.id.*editText*);  
editText2=findViewById(R.id.*editText2*);  
btn=findViewById(R.id.*button*);  
btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String str=""+editText1.getText().toString();  
 String str1=""+editText2.getText().toString();  
textView1.setText(""+str+str1);  
 Toast.*makeText*(MainActivity.this, "Result:-"+str+str1, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-17**

**Assignment Name: - Android Program to Draw Line and Circle on the view and Fill it with BLUE Color.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**MainActivity.java**

packagecom.example.drawlinecircle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
*//setContentView(R.layout.activity\_main);*setContentView(new page\_view(this));  
 }  
}

packagecom.example.drawlinecircle;  
  
**page\_view.java(java class)**

**---------------------------------------------------------------------------------------------------------**

import android.content.Context;  
import android.graphics.Canvas;  
import android.graphics.Color;  
import android.graphics.Paint;  
import android.view.View;  
  
import java.util.ArrayList;  
  
public class page\_view extends View {  
private Paint myPaint;  
private int ViewHeight,ViewWidth;  
public page\_view(Context context)  
 {  
super(context);  
myPaint=new Paint();  
myPaint.setColor(Color.*BLUE*);  
myPaint.setAntiAlias(true);  
myPaint.setStyle(Paint.Style.*FILL*);  
 }  
  
@Override  
public void addChildrenForAccessibility(ArrayList<View> outChildren)  
 {  
super.addChildrenForAccessibility(outChildren);  
 }  
  
@Override  
protected void onSizeChanged(int w, int h, int oldw, int oldh) {  
ViewHeight=h;  
ViewWidth=w;  
super.onSizeChanged(w, h, oldw, oldh);  
 }  
  
@Override  
protected void onDraw(Canvas canvas) {  
super.onDraw(canvas);  
*//myPaint.setStyle(Paint.Style.STROKE);*canvas.drawColor(Color.*LTGRAY*);  
 canvas.drawCircle(ViewWidth/2,ViewHeight/2,200,myPaint);  
 canvas.drawLine(110,110,300,300,myPaint);  
 }  
}

**Assignment No:-18**

**Assignment Name: - Android Program to Show Two Edit View (Numeric) and One Button and on button click show the greater number on Text View or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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/result"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="156dp"  
android:layout\_y="353dp"  
android:text="Result"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="142dp"  
android:layout\_y="292dp"  
android:text="Calculate" />  
  
<EditText  
android:id="@+id/editText3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="82dp"  
android:layout\_y="161dp"  
android:ems="10"  
android:inputType="number" />  
  
<EditText  
android:id="@+id/editText4"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="84dp"  
android:layout\_y="224dp"  
android:ems="10"  
android:inputType="number" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.greaterno;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
EditText no1,no2;  
*//TextView res;*@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
no1=findViewById(R.id.*editText3*);  
no2=findViewById(R.id.*editText4*);  
*//res=findViewById(R.id.result);*Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
*//int num1=pars;  
 //String num2=no2.getText().toString();*int val1 = Integer.*parseInt*( no1.getText().toString() );  
int val2 = Integer.*parseInt*( no2.getText().toString() );  
  
if (val1>val2)  
 {  
 Toast.*makeText*(MainActivity.this, "No.1 is greater", Toast.*LENGTH\_SHORT*).show();  
 }  
else {  
 Toast.*makeText*(MainActivity.this, "No.1 is small", Toast.*LENGTH\_SHORT*).show();  
 }  
  
 }  
 });  
  
 }  
}

**Assignment No:-19**

**Assignment Name: - Android Program to Draw Rectangle and Circle on the view and Fill it with YELLOW Color.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**MainActivity.java**

packagecom.example.drawlinecircle;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
*//setContentView(R.layout.activity\_main);*setContentView(new page\_view(this));  
 }  
}

**page\_view.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.drawlinecircle;  
  
import android.content.Context;  
import android.graphics.Canvas;  
import android.graphics.Color;  
import android.graphics.Paint;  
import android.view.View;  
  
import java.util.ArrayList;  
  
public class page\_view extends View {  
private Paint myPaint;  
private int ViewHeight,ViewWidth;  
public page\_view(Context context)  
 {  
super(context);  
myPaint=new Paint();  
myPaint.setColor(Color.*BLUE*);  
myPaint.setAntiAlias(true);  
myPaint.setStyle(Paint.Style.*FILL*);  
 }  
  
@Override  
public void addChildrenForAccessibility(ArrayList<View> outChildren)  
 {  
super.addChildrenForAccessibility(outChildren);  
 }  
  
@Override  
protected void onSizeChanged(int w, int h, int oldw, int oldh) {  
ViewHeight=h;  
ViewWidth=w;  
super.onSizeChanged(w, h, oldw, oldh);  
 }  
  
@Override  
protected void onDraw(Canvas canvas) {  
super.onDraw(canvas);  
*//myPaint.setStyle(Paint.Style.STROKE);*canvas.drawColor(Color.*LTGRAY*);  
 canvas.drawCircle(ViewWidth/2,ViewHeight/2,200,myPaint);  
 canvas.drawLine(110,110,300,300,myPaint);  
 }  
}

**Assignment No:-20**

**Assignment Name: - Android Program to Show Two Edit View (Numeric) and One Button and on button click show the smaller number on Text View or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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/result"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="156dp"  
android:layout\_y="353dp"  
android:text="Result"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="142dp"  
android:layout\_y="292dp"  
android:text="Calculate" />  
  
<EditText  
android:id="@+id/editText3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="82dp"  
android:layout\_y="161dp"  
android:ems="10"  
android:inputType="number" />  
  
<EditText  
android:id="@+id/editText4"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="84dp"  
android:layout\_y="224dp"  
android:ems="10"  
android:inputType="number" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.greaterno;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
public class MainActivity extends AppCompatActivity {  
EditText no1,no2;  
*//TextView res;*@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
no1=findViewById(R.id.*editText3*);  
no2=findViewById(R.id.*editText4*);  
*//res=findViewById(R.id.result);*Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
*//int num1=pars;  
 //String num2=no2.getText().toString();*int val1 = Integer.*parseInt*( no1.getText().toString() );  
int val2 = Integer.*parseInt*( no2.getText().toString() );  
  
if (val1<val2)  
 {  
 Toast.*makeText*(MainActivity.this, "Smaller Number", Toast.*LENGTH\_SHORT*).show();  
 }  
else {  
 Toast.*makeText*(MainActivity.this, "Greater Number", Toast.*LENGTH\_SHORT*).show();  
 }  
  
 }  
 });  
  
 }  
}

**Assignment No:-21**

**Assignment Name: - Android Program to Show Three Checkbox with Student Hobbies (Playing, Reading and Listening) on the selection of Checkbox all the selected hobbies are displayed on Text View.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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">  
  
  
<CheckBox  
android:id="@+id/checkBox"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="137dp"  
android:layout\_y="208dp"  
android:text="Playing"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
<CheckBox  
android:id="@+id/checkBox2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="138dp"  
android:layout\_y="257dp"  
android:text="Reading"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
<CheckBox  
android:id="@+id/checkBox3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="137dp"  
android:layout\_y="307dp"  
android:text="Listening"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="187dp"  
android:layout\_height="wrap\_content"  
android:layout\_x="110dp"  
android:layout\_y="358dp"  
android:text="Show"  
android:textSize="18sp"  
android:textStyle="bold" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="305dp"  
android:layout\_height="54dp"  
android:layout\_x="48dp"  
android:layout\_y="426dp"  
android:text="Result"  
android:textSize="24sp"  
android:textStyle="bold" />  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.chkboxtxt3;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.CheckBox;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 CheckBox play,read,list;  
 TextView textView;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
play=findViewById(R.id.*checkBox*);  
read=findViewById(R.id.*checkBox2*);  
list=findViewById(R.id.*checkBox3*);  
  
textView=findViewById(R.id.*textView*);  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view)  
 {  
 String str="";  
if (play.isChecked())  
 {  
 str+=""+play.getText();  
 }  
if (read.isChecked())  
 {  
 str+=""+read.getText();  
 }  
if (list.isChecked())  
 {  
 str+=""+list.getText();  
 }  
*// Toast.makeText(MainActivity.this,str, Toast.LENGTH\_SHORT).show();*textView.setText("Answer:-"+String.*valueOf*(str));  
 }  
  
 });  
 }  
}

**Assignment No:-22**

**Assignment Name: - Android Program to Demon Implicit Intent. Take EditView and Button on MainActivity.EditView for Entering the WebSite URL and Button for visit to the entered website. On Button click visit to the entered website URL which is entered inEditView.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="161dp"  
android:layout\_y="192dp"  
android:text="Implicit-Intent"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/urlText"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="104dp"  
android:layout\_y="249dp"  
android:ems="10"  
android:inputType="textPersonName"  
tools:layout\_editor\_absoluteX="89dp"  
tools:layout\_editor\_absoluteY="242dp" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="165dp"  
android:layout\_y="338dp"  
android:text="Submit"  
/>  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.implicitintentdemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.net.Uri;  
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 editText=findViewById(R.id.*urlText*);  
 Button btn=(Button) findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String url=editText.getText().toString();  
 Intent intent=new Intent(Intent.*ACTION\_VIEW*, Uri.*parse*(url));  
 startActivity(intent);  
 }  
 });  
 }  
}

**Assignment No:-23**

**Assignment Name: - Android Program to Demonstrate Option Menu Application, Name of selected Item should be displayed On TextView.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Option\_menu.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android" >  
<item android:id="@+id/item1"  
android:title="item1" />  
<item android:id="@+id/item2"  
android:title="item2" />  
<item android:id="@+id/item3"  
android:title="item3" />  
</menu>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.moryan.optionmenudemo;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 }  
  
@Override  
public boolean onCreateOptionsMenu(Menu menu) {  
 getMenuInflater().inflate(R.menu.*options\_menu*, menu);  
return true;  
 }  
@Override  
public boolean onOptionsItemSelected(MenuItem item) {  
 Toast.*makeText*(this, "Selected Item: " +item.getTitle(), Toast.*LENGTH\_SHORT*).show();  
switch (item.getItemId()) {  
case R.id.*item1*:  
*// do your code*return true;  
case R.id.*item2*:  
*// do your code*return true;  
case R.id.*item3*:  
*// do your code*return true;  
default:  
return super.onOptionsItemSelected(item);  
 }  
 }  
  
}

**Assignment No:-24**

**Assignment Name: - Android Program to Show Two Edit View(Numeric) and One Button and on button click show the division of entered numbers on Text View or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/croppp">  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="181dp"  
android:layout\_height="54dp"  
android:layout\_x="117dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter 1st Number"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter 2nd Number"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="347dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.division2no;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
private EditText num1,num2;  
private Button divi;  
private TextView result;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
num1=findViewById(R.id.*editText*);  
num2=findViewById(R.id.*editText2*);  
result=findViewById(R.id.*textView*);  
divi=findViewById(R.id.*button*);  
divi.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
long number1=Integer.*parseInt*(num1.getText().toString());  
long number2=Integer.*parseInt*(num2.getText().toString());  
long sum= number1/number2;  
  
result.setText("Answer:-"+String.*valueOf*(sum));  
 Toast.*makeText*(MainActivity.this, "Division Are:-"+sum, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 }  
}

**Assignment No:-25**

**Assignment Name: - Android Program to Show Context Menu on Button Long Click and Show the name of selected Item on Text View.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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"  
>  
  
  
<Button  
android:id="@+id/button"  
android:layout\_width="360dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginLeft="100dp"  
android:layout\_marginTop="200dp"  
android:layout\_x="24dp"  
android:layout\_y="292dp"  
android:background="#E2FFEB3B"  
android:text="Long\_Press"  
android:textColor="#0C0400"  
android:textStyle="bold" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="105dp"  
android:layout\_y="184dp"  
android:text="Context\_Menu"  
android:textColor="#D52196F3"  
android:textSize="30sp"  
android:textStyle="bold" />  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.contextmenu;  
  
import androidx.annotation.NonNull;  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.ContextMenu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 Button btn=(Button)findViewById(R.id.*button*);  
 registerForContextMenu(btn);  
 }  
  
@Override  
public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {  
super.onCreateContextMenu(menu, v, menuInfo);  
 menu.setHeaderTitle("Context\_Menu");  
 menu.add(0,v.getId(),0,"Pappu");  
 menu.add(0,v.getId(),0,"Akshay");  
 menu.add(0,v.getId(),0,"Minu");  
 menu.add(0,v.getId(),0,"Bena");  
 menu.add(0,v.getId(),0,"Chandu");  
  
 }  
  
@Override  
public boolean onContextItemSelected(@NonNull MenuItem item) {  
*//return super.onContextItemSelected(item);*Toast.*makeText*(this, "Selcted Item:-"+item.getTitle(), Toast.*LENGTH\_SHORT*).show();  
return true;  
 }  
}

**Assignment No:-26**

**Assignment Name: - Android Program to Show Popup Menu on Button Click and Show the name of selected Item on Text View.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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">  
  
<Button  
android:id="@+id/btnShowPopupMenu"  
android:layout\_width="286dp"  
android:layout\_height="wrap\_content"  
android:layout\_alignParentTop="true"  
android:layout\_marginTop="140dp"  
android:layout\_x="61dp"  
android:layout\_y="309dp"  
android:background="#CDFFC107"  
android:text="Show Popup"  
android:textStyle="bold" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="101dp"  
android:layout\_y="234dp"  
android:text="POP\_UP\_Menu"  
android:textColor="#0D5B9B"  
android:textSize="30sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.moryan.popupmenu;  
  
import android.support.v7.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.Menu;  
import android.view.MenuItem;  
import android.view.View;  
import android.widget.Button;  
import android.widget.PopupMenu;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity implements PopupMenu.OnMenuItemClickListener{  
  
 @Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
 Button btn=(Button)findViewById(R.id.btnShowPopupMenu);  
 btn.setOnClickListener(new View.OnClickListener() {  
 @Override  
public void onClick(View view) {  
 PopupMenu popup=new PopupMenu(MainActivity.this,view);  
 popup.setOnMenuItemClickListener(MainActivity.this);  
 popup.inflate(R.menu.sample\_menu);  
 popup.show();  
 }  
 });  
 }  
  
 @Override  
public boolean onMenuItemClick(MenuItem menuItem) {  
 Toast.makeText(this, "Selected Item:-"+menuItem.getTitle(), Toast.LENGTH\_SHORT).show();  
switch (menuItem.getItemId())  
 {  
case R.id.item1:  
return true;  
case R.id.item2:  
return true;  
case R.id.item3:  
return true;  
case R.id.item4:  
return true;  
case R.id.item5:  
return true;  
case R.id.item6:  
return true;  
default:  
return false;  
 }  
  
 }  
}

**Sample\_page.xml:-**

***--------------------------------------------------------------------------------------------------------------------------***

*<?*xml version="1.0" encoding="utf-8"*?>*<menu xmlns:android="http://schemas.android.com/apk/res/android">  
<item android:id="@+id/item1" android:title="BCA"/>  
<item android:id="@+id/item2" android:title="I-MCA"/>  
<item android:id="@+id/item3" android:title="BBA"/>  
<item android:id="@+id/item4" android:title="MBA"/>  
<item android:id="@+id/item5" android:title="E-COM"/>  
<item android:id="@+id/item6" android:title="MPM"/>  
</menu>

**Assignment No:-27**

**Assignment Name: - Android Form Based Application to Create Registration Form for Student with Field (RollNo, SName and MoNo) and on button click display all the entered information On TextView.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/img">  
  
<EditText  
android:id="@+id/editText3"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="71dp"  
android:layout\_y="336dp"  
android:ems="10"  
android:hint="Mobile\_No"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="281dp"  
android:layout\_height="54dp"  
android:layout\_x="67dp"  
android:layout\_y="140dp"  
android:text="Hello World!"  
android:textColor="#9A7A9E"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.268" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="276dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginBottom="448dp"  
android:layout\_x="69dp"  
android:layout\_y="208dp"  
android:ems="10"  
android:hint="Enter\_Roll\_No"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="273dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginTop="304dp"  
android:layout\_x="70dp"  
android:layout\_y="275dp"  
android:ems="10"  
android:hint="Enter\_Name"  
android:inputType="textPersonName"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="137dp"  
android:layout\_height="54dp"  
android:layout\_marginBottom="316dp"  
android:layout\_x="129dp"  
android:layout\_y="411dp"  
android:background="#D0FFEB3B"  
android:text="Show"  
android:textColor="#FF5722"  
android:textSize="18sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintStart\_toStartOf="parent" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.studrg3edtitext;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText editText1,editText2,editText3;  
 Button btn;  
 TextView textView1;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
textView1=findViewById(R.id.*textView*);  
editText1=findViewById(R.id.*editText*);  
editText2=findViewById(R.id.*editText2*);  
editText3=findViewById(R.id.*editText3*);  
btn=findViewById(R.id.*button*);  
btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String str=""+editText1.getText().toString();  
 String str1=""+editText2.getText().toString();  
 String str3=""+editText3.getText().toString();  
textView1.setText(""+str+str1+str3);  
 Toast.*makeText*(MainActivity.this, "Result:-"+str+str1+str3, Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
 }  
}

**Assignment No:-28**

**Assignment Name: - Android Program to Show Edit View and Button and on button click show the "Welcome to NMU" on Text View.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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/textview1"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="124dp"  
android:layout\_y="188dp"  
android:text="Hello World!"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="93dp"  
android:layout\_y="248dp"  
android:ems="10"  
android:hint="Enter Text"  
android:inputType="textPersonName" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="158dp"  
android:layout\_y="314dp"  
android:text="Show"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.messageontxt;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
  
  
 EditText editText1;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
editText1=findViewById(R.id.*editText*);  
final TextView textView=findViewById(R.id.*textview1*);  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String str="\nName:-"+editText1.getText().toString();  
textView.setText(""+str);  
 Toast.*makeText*(MainActivity.this, str , Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-29**

**Assignment Name: - Android Program to Show the Seek bar (Slider) and show its tracking status on TextView or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/img">  
  
<SeekBar  
android:id="@+id/seekBar"  
android:layout\_width="272dp"  
android:layout\_height="64dp"  
android:layout\_x="67dp"  
android:layout\_y="312dp" />  
  
<TextView  
android:id="@+id/textView"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="129dp"  
android:layout\_y="246dp"  
android:text="Progress "  
android:textSize="30sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.seekbardemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.SeekBar;  
import android.widget.TextView;  
public class MainActivity extends AppCompatActivity {  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
 SeekBar seekBar=findViewById(R.id.*seekBar*);  
final TextView textView=findViewById(R.id.*textView*);  
 textView.setText(seekBar.getProgress()+"/"+seekBar.getMax());  
 seekBar.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {  
int pval=0;  
@Override  
public void onProgressChanged(SeekBar seekBar, int i, boolean b)  
 {  
pval=i;  
textView.setText(i+"/"+seekBar.getMax());  
 }  
@Override  
public void onStartTrackingTouch(SeekBar seekBar)  
 {  
 }  
@Override  
public void onStopTrackingTouch(SeekBar seekBar)  
 {  
textView.setText(pval+"/"+seekBar.getMax());  
 }  
 });  
 }  
}

**Assignment No:-30**

**Assignment Name: - Android Program to check which toggle button is ON/OFF.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="62dp"  
android:layout\_y="190dp"  
android:text="Toggle Button Demo!"  
android:textAllCaps="false"  
android:textColor="#CE854E8F"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintHorizontal\_bias="0.447"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.28" />  
  
<ToggleButton  
android:id="@+id/toggleButton"  
android:layout\_width="194dp"  
android:layout\_height="89dp"  
android:layout\_x="102dp"  
android:layout\_y="280dp"  
android:text="ToggleButton"  
android:textOff="Off"  
android:textOn="On"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.498"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.452" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="139dp"  
android:layout\_height="58dp"  
android:layout\_x="125dp"  
android:layout\_y="398dp"  
android:text="Submit"  
android:textSize="18sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.togglebuttondemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.Toast;  
import android.widget.ToggleButton;  
  
public class MainActivity extends AppCompatActivity {  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
final ToggleButton tb=findViewById(R.id.*toggleButton*);  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 Toast.*makeText*(MainActivity.this, "ToggleButtonDemo:-" + tb.getText().toString(), Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 }  
}

**Assignment No:-31**

**Assignment Name: - Android Form Based Application to Create Registration Form for Student With Field(Username and Password) and on button click validate it with your name if its valid show "Valid Credential" otherwise show "Wrong Credential" on Toast. Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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="@drawable/img">  
  
<TextView  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="107dp"  
android:layout\_y="162dp"  
android:text="Valid\_Credentila"  
android:textSize="24sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="284dp"  
android:layout\_height="62dp"  
android:layout\_x="58dp"  
android:layout\_y="215dp"  
android:ems="10"  
android:hint="Enter\_Mail"  
android:inputType="textPersonName" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="284dp"  
android:layout\_height="63dp"  
android:layout\_x="58dp"  
android:layout\_y="290dp"  
android:ems="10"  
android:hint="Password"  
android:inputType="textPassword" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="162dp"  
android:layout\_height="66dp"  
android:layout\_x="126dp"  
android:layout\_y="377dp"  
android:background="#0C0101"  
android:text="Log\_In"  
android:textColor="#F3F6F8"  
android:textSize="24sp"  
android:textStyle="bold" />  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.vlidcredential;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
import java.util.regex.Matcher;  
import java.util.regex.Pattern;  
  
public class MainActivity extends AppCompatActivity {  
  
 EditText e1,e2;  
 Button b1;  
  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
e1=(EditText)findViewById(R.id.*editText*);  
e2=(EditText)findViewById(R.id.*editText2*);  
b1=(Button)findViewById(R.id.*button*);  
b1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
 String validmail="[a-zA-Z0-9\\+\\,\\\_\\@\\+]{1,256}"+  
"\\@"+  
"[a-zA-Z0-9][a-zA-Z0-9\\-]{0,64}"+  
"("+  
"\\."+  
"[a-zA-Z0-9][a-zA-Z0-9\\-]{0,25}"+  
")+";  
  
 String email=e1.getText().toString();  
 Matcher matcher= Pattern.*compile*(validmail).matcher(email);  
if (matcher.matches())  
 {  
 Toast.*makeText*(getApplicationContext(),"True", Toast.*LENGTH\_SHORT*).show();  
 }  
else  
{  
 Toast.*makeText*(getApplicationContext(),"Enter Valid Mail", Toast.*LENGTH\_SHORT*).show();  
 }  
if (e1.getText().toString().equals("")) {  
e2.setError("Enter Password");  
 }  
 }  
 });  
   
  
 }  
}

**Assignment No:-32**

**Assignment Name: - Android Program to Show One EditView(Numeric) and One Button and on button click show whether entered number is prime or not on TextView or Toast. Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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">  
  
<Button  
android:id="@+id/bbbb"  
android:layout\_width="138dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:layout\_x="123dp"  
android:layout\_y="275dp"  
android:text="Show"  
android:textColor="@color/colorAccent"  
android:textSize="24sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.497"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.382" />  
  
<TextView  
android:id="@+id/txView"  
android:layout\_width="277dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:layout\_x="73dp"  
android:layout\_y="337dp"  
android:text="Result"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.498"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.527" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="300dp"  
android:layout\_height="53dp"  
android:layout\_marginBottom="456dp"  
android:layout\_x="54dp"  
android:layout\_y="202dp"  
android:ems="10"  
android:hint="Enter Num"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.495"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.842" />  
  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.primenum;  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText e1;  
 Button b1;  
 TextView t1;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
e1=(EditText)findViewById(R.id.*editText*);  
t1 =(TextView) findViewById(R.id.*txView*);  
b1=findViewById(R.id.*bbbb*);  
b1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
  
int n=Integer.*parseInt*(e1.getText().toString());  
int flag=0;  
if(n==1)  
 {  
 flag=1;  
  
 }  
else  
{  
for(int i=2;i<n;i++)  
 {  
if(n%i==0)  
 {  
 flag=1;  
break;  
 }  
 }  
 }  
if (flag==0)  
 {  
 Toast.*makeText*(MainActivity.this, "Prime No:-"+n, Toast.*LENGTH\_SHORT*).show();  
t1.setText("Prime No:-"+n);  
 }  
else  
{  
 Toast.*makeText*(MainActivity.this, "Not Prime No:-"+n, Toast.*LENGTH\_SHORT*).show();  
t1.setText("Not Prime No:-"+n);  
 }  
 }  
 });  
  
 }  
}

**Assignment No:-33**

**Assignment Name: - Android Program to Show Two Edit View (First and Second) and One Button and on button click show the whether entered string (First and Second) is palindrome string or not on Text View or Toast.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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">  
  
<Button  
android:id="@+id/btn1"  
android:layout\_width="138dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginTop="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:layout\_x="123dp"  
android:layout\_y="275dp"  
android:text="Show"  
android:textColor="@color/colorAccent"  
android:textSize="24sp"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.497"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.382" />  
  
<TextView  
android:id="@+id/txView"  
android:layout\_width="277dp"  
android:layout\_height="wrap\_content"  
android:layout\_marginStart="8dp"  
android:layout\_marginLeft="8dp"  
android:layout\_marginEnd="8dp"  
android:layout\_marginRight="8dp"  
android:layout\_marginBottom="8dp"  
android:layout\_x="73dp"  
android:layout\_y="337dp"  
android:text="Result"  
android:textSize="30sp"  
android:textStyle="bold"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.498"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.527" />  
  
<EditText  
android:id="@+id/editText"  
android:layout\_width="300dp"  
android:layout\_height="53dp"  
android:layout\_marginBottom="456dp"  
android:layout\_x="54dp"  
android:layout\_y="202dp"  
android:ems="10"  
android:hint="Enter String"  
android:inputType="textPersonName"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintEnd\_toEndOf="parent"  
app:layout\_constraintHorizontal\_bias="0.495"  
app:layout\_constraintStart\_toStartOf="parent"  
app:layout\_constraintTop\_toTopOf="parent"  
app:layout\_constraintVertical\_bias="0.842" />  
  
  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.palindstring;  
  
import androidx.appcompat.app.AppCompatActivity;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.TextView;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 EditText e1;  
 Button b1;  
 TextView t1;  
int len,flag=0;  
*//String str,str1;*String str,str1="";  
  
@Override  
protected void onCreate(final Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
e1=(EditText)findViewById(R.id.*editText*);  
b1=(Button)findViewById(R.id.*btn1*);  
t1 =(TextView) findViewById(R.id.*txView*);  
  
b1.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
  
str=e1.getText().toString();  
len=str.length();  
for(int i=len-1;i>=0;i--)  
 {  
str1=str1+str.charAt(i);  
 }  
if(str.equals(str1))  
 {  
 Toast.*makeText*(MainActivity.this, "String Palindrome:-"+str, Toast.*LENGTH\_SHORT*).show();  
t1.setText("String is Palindrome:-\n"+str);  
 }  
else {  
 Toast.*makeText*(MainActivity.this, "String Not Palindrome:-"+str, Toast.*LENGTH\_SHORT*).show();  
t1.setText("String is Not Palindrome:-\n"+str);  
 }  
  
 }  
 });  
 }  
}

**Assignment No:-34**

**Assignment Name: - Android program to use Android Explicit Intent that calls one activity from another and vice versa.**

**Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.xml:-**

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="156dp"  
android:layout\_y="124dp"  
android:text="Intent Activity"  
app:layout\_constraintBottom\_toBottomOf="parent"  
app:layout\_constraintLeft\_toLeftOf="parent"  
app:layout\_constraintRight\_toRightOf="parent"  
app:layout\_constraintTop\_toTopOf="parent" />  
  
<EditText  
android:id="@+id/editText2"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="88dp"  
android:layout\_y="187dp"  
android:ems="10"  
android:hint="Enter 1st Num"  
android:inputType="textPersonName" />  
  
<EditText  
android:id="@+id/editText3"  
android:layout\_width="wrap\_content"  
android:layout\_height="wrap\_content"  
android:layout\_x="89dp"  
android:layout\_y="279dp"  
android:ems="10"  
android:hint="Enter 2nd Num"  
android:inputType="textPersonName" />  
  
<Button  
android:id="@+id/button"  
android:layout\_width="109dp"  
android:layout\_height="wrap\_content"  
android:layout\_x="146dp"  
android:layout\_y="370dp"  
android:text="Submit" />  
  
</AbsoluteLayout>

**Activity\_result.xml:-**

***--------------------------------------------------------------------------------------------------------------------------***

*<?*xml version="1.0" encoding="utf-8"*?>*<AbsoluteLayout 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=".resultActivity">  
  
<TextView  
android:id="@+id/textView2"  
android:layout\_width="235dp"  
android:layout\_height="192dp"  
android:layout\_x="76dp"  
android:layout\_y="153dp"  
tools:layout\_editor\_absoluteX="165dp"  
tools:layout\_editor\_absoluteY="214dp" />  
</AbsoluteLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**package com.example.intentdemo;  
  
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 num1 = findViewById(R.id.*editText2*);  
final EditText num2 = findViewById(R.id.*editText3*);  
  
 Button btn=findViewById(R.id.*button*);  
 btn.setOnClickListener(new View.OnClickListener() {  
@Override  
public void onClick(View view) {  
int n1 = Integer.*parseInt*(num1.getText().toString());  
int n2 = Integer.*parseInt*(num2.getText().toString());  
  
 Intent intent = new Intent(MainActivity.this, resultActivity.class);  
 intent.putExtra("sum", n1 + "+" + n2 + "=" + (n1 + n2));  
 startActivity(intent);  
 }  
 });  
 }  
}

**resultActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.intentdemo;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
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*);  
 TextView editText=findViewById(R.id.*textView2*);  
 Intent intent=getIntent();  
 String add=(String)intent.getSerializableExtra("sum");  
  
  
 editText.setText(add);  
 }  
}

**Assignment No:-35**

**Assignment Name: Android Program to Show Search View. Entering some text in search view and pressing enter, show the message that searche text is found or not On Toast. Name:Sandip Sudhakar Patil.**

**Roll No:-26**

***--------------------------------------------------------------------------------------------------------------------------***

**Activity\_mail.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"  
tools:context=".MainActivity"  
android:orientation="vertical"  
android:padding="30dp"  
android:background="@drawable/img">  
  
<SearchView  
android:id="@+id/serachview"  
android:layout\_width="match\_parent"  
android:layout\_height="wrap\_content"  
android:queryHint="Search\_Here"  
android:iconifiedByDefault="false"></SearchView>  
<ListView  
android:id="@+id/listview"  
android:layout\_width="match\_parent"  
android:layout\_height="fill\_parent"  
android:layout\_marginTop="10dp">  
  
</ListView>  
  
  
</LinearLayout>

**MainActivity.java**

**---------------------------------------------------------------------------------------------------------**

package com.example.searchview2;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.os.Bundle;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import android.widget.SearchView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
public class MainActivity extends AppCompatActivity {  
 ListView mylist;  
 SearchView mysearchView;  
 ArrayList<String>list;  
 ArrayAdapter<String>adapter;  
@Override  
protected void onCreate(Bundle savedInstanceState) {  
super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
  
mysearchView=(SearchView)findViewById(R.id.*serachview*);  
mylist=(ListView)findViewById(R.id.*listview*);  
  
list=new ArrayList<String>();  
list.add("Akshay");  
list.add("Pappu");  
list.add("Chandu");  
list.add("Bena");   
list.add("Minu");  
list.add("Bhirude");  
list.add("sandy");  
list.add("Nikka");  
list.add("Priya");  
list.add("Janhavi");  
  
adapter=new ArrayAdapter<>(this,android.R.layout.*simple\_list\_item\_1*,list);  
mylist.setAdapter(adapter);  
  
mysearchView.setOnQueryTextListener(new SearchView.OnQueryTextListener() {  
@Override  
public boolean onQueryTextSubmit(String s) {  
  
*/\* if (list.contains(s)) {  
 adapter.getFilter().filter(s);  
 }else {  
 Toast.makeText(MainActivity.this, "Match Not Found", Toast.LENGTH\_SHORT).show();  
 }\*/*return false;  
 }  
  
@Override  
public boolean onQueryTextChange(String s) {  
  
adapter.getFilter().filter(s);  
  
return false;  
 }  
 });  
  
 }  
}