LISTVIEW :

ListView listView;

ArrayList<String> Names=new ArrayList<>();

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.*activity\_main*);

listView = findViewById(R.id.*listView*);

Names.add("Prakhar");

Names.add("Pratyush");

Names.add("Pradyumn");

Names.add("Dhawal");

Names.add("Varun");

Names.add("Abhinav");

Names.add("Siddharth");

Names.add("Arnish");

ArrayAdapter<String> adapt = new ArrayAdapter<>(this,android.R.layout.*simple\_list\_item\_1*,Names);

listView.setAdapter(adapt);

listView.setOnItemClickListener(new AdapterView.OnItemClickListener() {

@Override

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

String s=((TextView)view).getText().toString();

if(position<=5)

{

Toast.*makeText*(MainActivity.this, s+ "got selected" , Toast.*LENGTH\_SHORT*).show();

}

else

{

Toast.*makeText*(MainActivity.this, "Class Mates of Prakhar", Toast.*LENGTH\_SHORT*).show();

}

}

});

}

NOTIFICATION :

NotificationCompat.Builder builder =

new NotificationCompat.Builder(this)

.setSmallIcon(R.drawable.images)

.setContentTitle("Notifications Example")

.setContentText("This is a test notification");

Intent notificationIntent = new Intent(this, MainActivity.class);

PendingIntent contentIntent = PendingIntent.getActivity(this, 0, notificationIntent,

PendingIntent.FLAG\_UPDATE\_CURRENT);

builder.setContentIntent(contentIntent);

// Add as notification

NotificationManager manager = (NotificationManager) getSystemService(Context.NOTIFICATION\_SERVICE);

manager.notify(0, builder.build());

HORIZONTAL LINE :

<View  
 android:layout\_width="wrap\_content"  
 android:layout\_height="15dp"  
 android:background="@color/black"  
 app:layout\_constraintBottom\_toTopOf="@+id/textView"  
 app:layout\_constraintTop\_toTopOf="parent"  
 tools:layout\_editor\_absoluteX="0dp" />

INTENT MULTIPAGE:

package com.example.project\_1;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
import android.widget.Spinner;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
  
public class MainActivity extends AppCompatActivity {  
 private Spinner food;  
 private Spinner beve;  
 private TextView txt;  
  
  
//global variable bcz need access from any functions

String s1="",s2="";

int a1=0,a2=0,total\_amount=0;  
 public void placeorder(View view) {  
  
 //logic to place order  
  
 if(s1.equals("pizza 200")){  
 a1=200;  
 }  
 if(s2.equals("tea 100")){  
 a2=100;  
 }  
 if(s1.equals("nodles 100")){  
 a1=100;  
 }  
 if(s2.equals("coffee 200")){  
 a2=200;  
 }  
 if(s1.equals("pasta 300")){  
 a1=300;  
 }  
 if(s2.equals("capachino 400")){  
 a2=400;  
 }  
 if(s1.equals("dosa 200")){  
 a1=200;  
 }  
 if(s2.equals("mocha 150")){  
 a2=150;  
 }  
 //converting INTEGER value into STRING  
  
 String total\_amount=String.*valueOf*(a1+a2);  
 Toast.*makeText*(this, total\_amount, Toast.*LENGTH\_SHORT*).show();  
 txt=findViewById(R.id.*editText*);  
 String uname=txt.getText().toString();  
  
 //Multi-page ->next page display  
  
 Intent intent=new Intent(this,order\_confirmation.class);  
 intent.putExtra("uname",uname);  
 intent.putExtra("amt",total\_amount);  
 intent.putExtra("item1",s1);  
 intent.putExtra("item2",s2);  
  
 // very very important to start intent  
 startActivity(intent);  
  
  
  
 //Toast.makeText(this, s1+" "+s2, Toast.LENGTH\_SHORT).show();  
 //Toast.makeText(this, s2, Toast.LENGTH\_SHORT).show();  
 }

//MAIN FUNCTION

@Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);

//Spinner code

food=findViewById(R.id.*spinner*);  
 beve=findViewById(R.id.*spinner2*);  
  
 //array declaration  
 ArrayList<String> items= new ArrayList<>();  
 items.add("hungry!!!");  
 items.add("pizza 200");  
 items.add("nodles 100");  
 items.add("pasta 300");  
 items.add("dosa 200");  
  
 //adapter must to access both list and spinner  
 ArrayAdapter<String> adap=new ArrayAdapter<>(this, android.R.layout.*simple\_spinner\_dropdown\_item*,items);  
  
 //spinner-2  
 ArrayList<String> items1= new ArrayList<>();  
 items1.add("need refreshment!!!");  
 items1.add("tea 100");  
 items1.add("coffee 200");  
 items1.add("capachino 400");  
 items1.add("mocha 150");  
  
 ArrayAdapter<String> adap1=new ArrayAdapter<>(this, android.R.layout.*simple\_spinner\_dropdown\_item*,items1);  
  
 //to start adapter  
 food.setAdapter(adap);  
 beve.setAdapter(adap1);  
  
 //on click item event information about items in spinner  
  
 food.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
 @Override  
 public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {  
 s1=((TextView)view).getText().toString();  
 Toast.*makeText*(MainActivity.this, s1, Toast.*LENGTH\_SHORT*).show();  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> adapterView) {  
 Toast.*makeText*(MainActivity.this, "nothing selected", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
 //on click event for 2nd spinner  
 beve.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {  
 @Override  
 public void onItemSelected(AdapterView<?> adapterView, View view, int i, long l) {  
 s2=((TextView)view).getText().toString();  
 Toast.*makeText*(MainActivity.this, s2, Toast.*LENGTH\_SHORT*).show();  
 }  
  
 @Override  
 public void onNothingSelected(AdapterView<?> adapterView) {  
 Toast.*makeText*(MainActivity.this, "nothing selected", Toast.*LENGTH\_SHORT*).show();  
 }  
 });  
  
  
  
  
  
 }  
}

//RECIVING PAGE

package com.example.project\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.content.Intent;

import android.os.Bundle;

import android.widget.TextView;

public class order\_confirmation extends AppCompatActivity {

private TextView t1;

private TextView t2;

private TextView t3;

private TextView t4;

//@SuppressLint("MissingInflatedId")

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_order\_confirmation);

//recieving value from main form

Intent intent=getIntent();

String uname=intent.getStringExtra("uname");

String total=intent.getStringExtra("amt");

String item1=intent.getStringExtra("item1");

String item2=intent.getStringExtra("item2");

t1=findViewById(R.id.textView3);

t2=findViewById(R.id.textView4);

t3=findViewById(R.id.textView5);

t4=findViewById(R.id.textView6);

t1.setText(uname);

t2.setText(total);

t3.setText(item1);

t4.setText(item2);

}

}

Check box and radio btn

package com.example.radio\_btn;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

private Button butt;

//private RadioGroup rdg=findViewById(R.id.radioGroup);

private RadioButton radio1;

private RadioButton radio2;

private CheckBox c1;

private CheckBox c2;

private CheckBox c3;

private CheckBox c4;

int amount=0;

public void btn(View view){

String rad=radio1.getText().toString();

String rad2=radio2.getText().toString();

if(radio1.isChecked()){

Toast.makeText(this, rad+" is selected", Toast.LENGTH\_SHORT).show();

}

else if(radio2.isChecked()){

Toast.makeText(this, rad2+" is selected", Toast.LENGTH\_SHORT).show();

}

String str=" ";

if(c1.isChecked()){

amount+=100;

str+="dosa, ";

}

if(c2.isChecked()){

amount+=50;

str+="pizza, ";

}

if(c3.isChecked()){

amount+=60;

str+="pasta, ";

}

if(c4.isChecked()){

amount+=80;

str+="samosa, ";

}

String t\_amount=String.valueOf(amount);

Toast.makeText(this, str+"total amount: "+t\_amount, Toast.LENGTH\_SHORT).show();

}

public void r1(View view){

Toast.makeText(this, "male", Toast.LENGTH\_SHORT).show();

}

public void r2(View view){

Toast.makeText(this, "female", Toast.LENGTH\_SHORT).show();

}

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

radio1=findViewById(R.id.radioButton);

radio2=findViewById(R.id.radioButton2);

butt=findViewById(R.id.button);

c1=findViewById(R.id.checkBox);

c2=findViewById(R.id.checkBox2);

c3=findViewById(R.id.checkBox3);

c4=findViewById(R.id.checkBox4);

}

}

ADI

## INTENT

package com.example.sample\_4;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.telephony.SignalStrengthUpdateRequest;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

//DEFINE THE OBJECT FOR ALL BUTTONS::

Button b;

EditText etname;

EditText etpass;

EditText etemail;

RadioButton r1;

RadioButton r2;

RadioGroup rg;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//GET ID OF BUTTONS USING FINDVIEWBYID::

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

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

etpass=(EditText)findViewById(R.id.editTextTextPassword);

etemail=(EditText)findViewById(R.id.editTextTextEmailAddress);

r1=(RadioButton)findViewById(R.id.radioButton1);

r2=(RadioButton)findViewById(R.id.radioButton2);

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

//WHAT SHOULD HAPPEND WHEN YOU CLICK ON BUTTON B::

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

//TO FETCH THE TEXT YOU WILL WRITE IN TEXT BOX AND EDIT TEXT FIELDS::

String name=etname.getText().toString();

String email=etemail.getText().toString();

String pass=etpass.getText().toString();

//FETCH RADIO BUTTON VALUE::

//METHOD-1::

//int i=rg.getCheckedRadioButtonId();

//RadioButton rb=(RadioButton)rg.findViewById(i);

//METHOD-2::

String Gender="";

if(r1.isChecked()){

Gender="Male";

}

else{

Gender="Female";

}

//TOAST MSG::

// Toast.makeText(getApplicationContext(),"Clicked",Toast.LENGTH\_LONG).show();

Toast.makeText(getApplicationContext(),"Name"+name+"\n"+"Email"+email+"\n"+"Pass"+pass +"\n"+"GENDER "+Gender,Toast.LENGTH\_LONG).show();

//SHOW ON TERMINAL::

//System.out.println("Name"+name+"\n"+"Email"+email+"\n"+"Pass"+pass);

//INTENT::

Intent i=new Intent(MainActivity.this,Acitivity2.class);

//SEND THE VARIABLES::

i.putExtra("Name",name);

i.putExtra("Pass",pass);

i.putExtra("Name",Gender);

i.putExtra("Name",email);

startActivity(i);

}

});

}

}

## NEXTACTIVITY::

package com.example.sample\_4;

import androidx.appcompat.app.AppCompatActivity;

import android.content.Intent;

import android.os.Bundle;

import android.widget.TextView;

public class Acitivity2 extends AppCompatActivity {

TextView name;

TextView gender;

TextView pass;

TextView email;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_acitivity2);

Intent i=getIntent();

String sname=i.getStringExtra("name");

String sgender=i.getStringExtra("genderr");

String spass=i.getStringExtra("email");

String semail=i.getStringExtra("pass");

name=(TextView) findViewById(R.id.textView10);

gender=(TextView) findViewById(R.id.textView7);

pass=(TextView) findViewById(R.id.textView8);

email=(TextView) findViewById(R.id.textView9);

name.setText(sname);

gender.setText(sgender);

pass.setText(spass);

email.setText(semail);

}

}

##SPINNER

//SPINNER AND ADD TO ARRAYLIST

package com.example.endsem\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.annotation.SuppressLint;

import android.os.Bundle;

import android.view.View;

import android.widget.AdapterView;

import android.widget.ArrayAdapter;

import android.widget.Spinner;

import android.widget.TextView;

import android.widget.Toast;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

Spinner x;

String s1;

@SuppressLint({"ResourceType", "MissingInflatedId"})

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

x=findViewById(R.id.spinner);

ArrayList<String> items= new ArrayList<>();

items.add("hungry!!!");

items.add("pizza 200");

items.add("nodles 100");

items.add("pasta 300");

items.add("dosa 200");

ArrayAdapter<String> adap=new ArrayAdapter<>(this, android.R.layout.simple\_spinner\_dropdown\_item,items);

x.setAdapter(adap);

x.setOnItemSelectedListener(new AdapterView.OnItemSelectedListener() {

@Override

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

s1=((TextView)view).getText().toString();

Toast.makeText(getApplicationContext(), (CharSequence) s1, Toast.LENGTH\_SHORT).show();

}

@Override

public void onNothingSelected(AdapterView<?> adapterView) {

Toast.makeText(MainActivity.this, "nothing selected", Toast.LENGTH\_SHORT).show();

}

});

}

}

## DATEPICKER

//press button and select and print date on textview

package com.example.endsem\_1;

import androidx.appcompat.app.AppCompatActivity;

import androidx.fragment.app.DialogFragment;

import android.app.DatePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.DatePicker;

import android.widget.TextView;

import java.text.DateFormat;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity implements DatePickerDialog.OnDateSetListener {

TextView x;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

DialogFragment datepicker=new DatePickerFragment();

datepicker.show(getSupportFragmentManager(),"date picker");

}

});

}

@Override

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

Calendar c=Calendar.getInstance();

c.set(Calendar.YEAR,i);

c.set(Calendar.MONTH,i1);

c.set(Calendar.DAY\_OF\_MONTH,i2);

String currentDate= DateFormat.getDateInstance().format(c.getTime());

x=(TextView) findViewById(R.id.text);

x.setText(currentDate);

}

}

//CREATE A JAVA CLASS \_\_DatePickerFragment

package com.example.endsem\_1;

import android.app.DatePickerDialog;

import android.app.Dialog;

import android.os.Bundle;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.DialogFragment;

import java.util.Calendar;

public class DatePickerFragment extends DialogFragment {

Calendar c=Calendar.getInstance();

int year=c.get(Calendar.YEAR);

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

int month=c.get(Calendar.MONTH);

@NonNull

@Override

public Dialog onCreateDialog(@Nullable Bundle savedInstanceState) {

return new DatePickerDialog(getActivity(),(DatePickerDialog.OnDateSetListener)getActivity(),year,day,month);

}

}

# TIMEPICKER

//PRESS BUTTON AND DISPLAY ON TEXT VIEW

package com.example.endsem\_1;

import androidx.appcompat.app.AppCompatActivity;

import androidx.fragment.app.DialogFragment;

import android.app.TimePickerDialog;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.TextView;

import android.widget.TimePicker;

public class MainActivity extends AppCompatActivity implements TimePickerDialog.OnTimeSetListener {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View view) {

DialogFragment timepicker=new com.example.endsem\_1.TimePicker();

timepicker.show(getSupportFragmentManager(),"time picker");

}

});

}

@Override

public void onTimeSet(TimePicker timePicker, int i, int i1) {

TextView t=(TextView)findViewById(R.id.text);

t.setText("Hour"+i+"Minute"+i1);

}

}

2

Timepicker

//CREATE JAVA CLASS \_\_TimePicker

package com.example.endsem\_1;

import android.app.Dialog;

import android.app.TimePickerDialog;

import android.os.Bundle;

import android.text.format.DateFormat;

import androidx.annotation.NonNull;

import androidx.annotation.Nullable;

import androidx.fragment.app.DialogFragment;

import java.util.Calendar;

public class TimePicker extends DialogFragment {

@NonNull

@Override

public Dialog onCreateDialog(@Nullable Bundle savedInstanceState) {

Calendar c=Calendar.getInstance();

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

int minute=c.get(Calendar.MINUTE);

return new TimePickerDialog(getActivity(),(TimePickerDialog.OnTimeSetListener) getActivity(),hour,minute, DateFormat.is24HourFormat(getActivity()));

}

}

CHECKBOX::

//CLICK ON BUTTON AND DISPLAY THE TEXT ON TEXTVIEW USING ARRAY LIST

package com.example.endsem\_1;

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 java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

private CheckBox c1,c2;

private TextView t1;

ArrayList<String> result;

Button b;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

c1=(CheckBox) findViewById(R.id.checkBox);

c2=(CheckBox) findViewById(R.id.checkBox2);

t1=(TextView) findViewById(R.id.textView);

result=new ArrayList<>();

t1.setEnabled(false);

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

c1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if(c1.isChecked()){

result.add("GOOGLE");

}

else{

result.remove("GOOGLE");

}

}

});

c2.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

if(c1.isChecked()){

result.add("APPLE");

}

else{

result.remove("APPLE");

}

}

});

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

StringBuilder st=new StringBuilder();

for (String s:result)

st.append(s);

t1.setText(st.toString());

t1.setEnabled(false);

}

});

}

}

RADIO BUTTON::

//CLICK ONE OUT OF TWO AND DISPLAY TEXT ON TEXT VIEW

//CREATE RADIO GROUP IN XML INSIDE THAT CREATE RADIOBUTTON

package com.example.endsem\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

RadioGroup rg;

RadioButton rb;

private TextView t1;

Button b;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

rg=(RadioGroup) findViewById(R.id.rg);

t1=(TextView) findViewById(R.id.textView);

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

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

int radioid=rg.getCheckedRadioButtonId();

rb=findViewById(radioid);

Toast.makeText(MainActivity.this,"SELECTED" + rb.getText(),Toast.LENGTH\_SHORT).show();

t1.setText("YOUR CHOICE IS: " +rb.getText());

}

});

}

}

TOGGLE BUTTON

//TOGGLE ON AD OFF AND DISPLAY ON TEXTVIEW

package com.example.endsem\_1;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.CheckBox;

import android.widget.CompoundButton;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import android.widget.ToggleButton;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

ToggleButton toggle;

TextView t1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

t1=(TextView) findViewById(R.id.textView2);

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

toggle.setOnCheckedChangeListener(new CompoundButton.OnCheckedChangeListener() {

@Override

public void onCheckedChanged(CompoundButton buttonView, boolean isChecked) {

if(toggle.isChecked()){

t1.setText("THIS IS ON");

}

else{

t1.setText("THIS IS OFF");

}

}

});

}

}

ALERT DIALOG::

// CLICK ON BUTTON

package com.example.endsem\_1;

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.CheckBox;

import android.widget.CompoundButton;

import android.widget.RadioButton;

import android.widget.RadioGroup;

import android.widget.TextView;

import android.widget.Toast;

import android.widget.ToggleButton;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

Button b;

AlertDialog.Builder build;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

b=(Button) findViewById(R.id.btn);

build=new AlertDialog.Builder(this);

b.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View v) {

build.setTitle("ALERT!!");

build.setMessage("DO YOU WANT TO CLOSE");

build.setCancelable(true);

build.setPositiveButton("YES", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

finish();

}

});

build.setNegativeButton("NO", new DialogInterface.OnClickListener() {

@Override

public void onClick(DialogInterface dialog, int which) {

dialog.cancel();

}

});

build.show();

}

});

}

}

##MENU

//Right click on res folder and create android resource directory and in menu folder create menu resource file🡪example\_menu

.java

package com.example.endsem\_2;

import androidx.annotation.NonNull;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuInflater;

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) { //GET oncreateOptionsmenu and change return true

MenuInflater inflater=getMenuInflater(); //

inflater.inflate(R.menu.example\_menu,menu); //

return true; //CHANGE TO TRUE

}

@Override

public boolean onOptionsItemSelected(@NonNull MenuItem item) { //WHEN YOU CLICK THE MENU

switch (item.getItemId()){

case R.id.item1:

Toast.makeText(this,"ITEM 1 SELECTED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.item2:

Toast.makeText(this,"ITEM 2 SELECTED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.item3:

Toast.makeText(this,"ITEM 3 SELECTED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.subitem1:

Toast.makeText(this,"SUBITEM 1 SELECTED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.subitem2:

Toast.makeText(this,"SUBITEM 2 SELECTED",Toast.LENGTH\_SHORT).show();

return true; //YOU CAN DO ANYTHING INSIDE THIS

default:

return super.onOptionsItemSelected(item); //IN DEFAULT WRITE THIS

}

}

}

Example\_menu.xml

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

<menu xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto">

<item android:id="@+id/item1"

android:icon="@drawable/ic\_launcher\_background"

android:title="Item 1"

app:showAsAction="ifRoom"/>

<item android:id="@+id/item2"

android:title="Item 2"

app:showAsAction="never"/>

<item android:id="@+id/item3"

android:title="Item 3"

app:showAsAction="never"> //CREATING SUB ITEMS OF ITEMS

<menu> //SUB MENU

<item

android:id="@+id/subitem1"

android:title="Sub Item 1"

android:icon="@mipmap/ic\_launcher"/>

<item

android:id="@+id/subitem2"

android:title="Sub Item 2"

/>

</menu>

</item>

</menu>

##-->POPUP MENU

//CLICK ON BUTTON AND MENU APPEARS

.java

package com.example.endsem\_2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

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 {

Button b;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

}

public void showPopup(View v){

PopupMenu popup= new PopupMenu(this,v);

popup.setOnMenuItemClickListener(this);

popup.inflate(R.menu.example\_menu); //THE MENU XML FILE NAME YOU CREATED

popup.show();

}

@Override

public boolean onMenuItemClick(MenuItem item) {

switch(item.getItemId()){

case R.id.item1:

Toast.makeText(this,"ITEM-1 CLICKED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.item2:

Toast.makeText(this,"ITEM-2 CLICKED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.item3:

Toast.makeText(this,"ITEM-3 CLICKED",Toast.LENGTH\_SHORT).show();

return true;

case R.id.item4:

Toast.makeText(this,"ITEM-4 CLICKED",Toast.LENGTH\_SHORT).show();

return true;

default:

return false;

}

}

}

Example\_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="ITEM 1"/>

<item android:id="@+id/item2"

android:title="ITEM 2"/>

<item android:id="@+id/item3"

android:title="ITEM 3"/>

<item android:id="@+id/item4"

android:title="ITEM 4"/>

</menu>

Mani.xml::

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<Button

android:id="@+id/button"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Show POPUP"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintHorizontal\_bias="0.419"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintVertical\_bias="0.303"

android:onClick="showPopup"/>

</androidx.constraintlayout.widget.ConstraintLayout>

##FLOATING CONTEXTUAL MENU

//CLICK ON TEXT FIELD LONG PRESS AND MENU APPEARS

.java

package com.example.endsem\_2;

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.TextView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

TextView textview=findViewById(R.id.text1);

registerForContextMenu(textview);

}

@Override

public void onCreateContextMenu(ContextMenu menu, View v, ContextMenu.ContextMenuInfo menuInfo) {

super.onCreateContextMenu(menu, v, menuInfo);

getMenuInflater().inflate(R.menu.example\_menu,menu);

}

@Override

public boolean onContextItemSelected(@NonNull MenuItem item) {

switch(item.getItemId()){

case R.id.option1:

Toast.makeText(this,"OPTION 1",Toast.LENGTH\_SHORT).show();

return true;

case R.id.option2:

Toast.makeText(this,"OPTION 2",Toast.LENGTH\_SHORT).show();

return true;

default:

return super.onContextItemSelected(item);

}

}

}

Main.xml::

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/text1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

Example\_menu.xml::

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

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item

android:id="@+id/option1"

android:title="Option 1"/>

<item

android:id="@+id/option2"

android:title="Option 2"/>

</menu>

##CONTEXTUAL ACTION MODE::

//LONG PRESS ON TEXT FILED REVEAL MENU ON TOP

.java

package com.example.endsem\_2;

import androidx.appcompat.app.AppCompatActivity;

import android.os.Bundle;

import android.view.ActionMode;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.TextView;

import android.widget.Toast;

public class MainActivity extends AppCompatActivity {

private ActionMode mActionMode;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

TextView textView=findViewById(R.id.view1);

textView.setOnLongClickListener(new View.OnLongClickListener() {

@Override

public boolean onLongClick(View v) {

if(mActionMode!=null){

return false;

}

mActionMode=startActionMode(mActionModeCallback);

return true;

}

});

}

private ActionMode.Callback mActionModeCallback=new ActionMode.Callback() {

@Override

public boolean onCreateActionMode(ActionMode mode, Menu menu) {

mode.getMenuInflater().inflate(R.menu.example\_menu,menu);

mode.setTitle("CHOOSE YOUR OPTION");

return true;

}

@Override

public boolean onPrepareActionMode(ActionMode mode, Menu menu) {

return false;

}

@Override

public boolean onActionItemClicked(ActionMode mode, MenuItem item) {

switch (item.getItemId()){

case R.id.option1:

Toast.makeText(MainActivity.this,"OPTION 1 Selected",Toast.LENGTH\_SHORT).show();

mode.finish();

return true;

case R.id.option2:

Toast.makeText(MainActivity.this,"OPTION 2 Secleted",Toast.LENGTH\_SHORT).show();

mode.finish();

return true;

default:

return false;

}

}

@Override

public void onDestroyActionMode(ActionMode mode) {

mActionMode=null;

}

};

}

Main.xml::

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

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

tools:context=".MainActivity">

<TextView

android:id="@+id/view1"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Hello World!"

android:textSize="30sp"

app:layout\_constraintBottom\_toBottomOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

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

</androidx.constraintlayout.widget.ConstraintLayout>

Example\_menu.xml

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

<menu xmlns:android="http://schemas.android.com/apk/res/android">

<item

android:id="@+id/option1"

android:title="Option 1"

android:icon="@drawable/ic\_launcher\_background"/>

<item

android:id="@+id/option2"

android:title="Option 2"

android:icon="@mipmap/ic\_launcher"/>

</menu>