1. **ANDROID APPLICATION LIFE CYCLE**

package com.example.androidlifecycle;

import android.os.Bundle; import android.app.Activity; import android.view.Menu; import android.widget.Toast;

public class MainActivity extends Activity { @Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); Toast.makeText(getApplicationContext(), "I am create method",

Toast.LENGTH\_LONG).show();

}

@Override

protected void onStart() {

// TODO Auto-generated method stub super.onStart();

Toast.makeText(getApplicationContext(), "I am start method", Toast.LENGTH\_LONG).show();

}

@Override

protected void onResume() {

// TODO Auto-generated method stub super.onResume();

Toast.makeText(getApplicationContext(), "I am resume method", Toast.LENGTH\_LONG).show();

}

@Override

protected void onStop() {

// TODO Auto-generated method stub super.onStop();

Toast.makeText(getApplicationContext(), "I am stop method", Toast.LENGTH\_LONG).show();

}

@Override

protected void onPause() {

// TODO Auto-generated method stub super.onPause();

Toast.makeText(getApplicationContext(), "I am pause method", Toast.LENGTH\_LONG).show();

}

@Override

protected void onRestart() {

// TODO Auto-generated method stub super.onRestart();

Toast.makeText(getApplicationContext(), "I am restart method", Toast.LENGTH\_LONG).show();

}

@Override

protected void onDestroy() {

// TODO Auto-generated method stub super.onDestroy();

Toast.makeText(getApplicationContext(), "I am destroy method", Toast.LENGTH\_LONG).show();

}

}

# Simple calculator application

**Java Code:**

**package** com.example.addition;

**import** android.os.Bundle; **import** android.app.Activity; **import** android.view.Menu; **import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.Toast;

**public class** MainActivity **extends** Activity { **private** EditText edittext1,edittext2; **private** Button Btn\_Add ;

**private** Button Btn\_Sub ; **private** Button Btn\_Mul ; **private** Button Btn\_Div ;

@Override

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

}

**public void** addListenerOnButton(){ edittext1=(EditText)findViewById(R.id.*editText1*); edittext2=(EditText)findViewById(R.id.*editText2*); Btn\_Add=(Button)findViewById(R.id.*button1*); Btn\_Sub=(Button)findViewById(R.id.*button2*); Btn\_Mul=(Button)findViewById(R.id.*button3*); Btn\_Div=(Button)findViewById(R.id.*button4*);

Btn\_Add.setOnClickListener(**new** OnClickListener(){ @Override

**public void** onClick(View view) {

String value1=edittext1.getText().toString(); String value2=edittext2.getText().toString(); **int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** sum=a+b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(sum),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Sub.setOnClickListener(**new** OnClickListener(){

@Override

**public void** onClick(View view) {

String value1=edittext1.getText().toString(); String value2=edittext2.getText().toString(); **int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** sub=a-b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(sub),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Mul.setOnClickListener(**new** OnClickListener(){

@Override

**public void** onClick(View view) {

String value1=edittext1.getText().toString(); String value2=edittext2.getText().toString(); **int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** m=a\*b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(m),Toast.*LENGTH\_LONG*).show();

}

});

Btn\_Div.setOnClickListener(**new** OnClickListener(){

@Override

**public void** onClick(View view) {

String value1=edittext1.getText().toString(); String value2=edittext2.getText().toString(); **int** a=Integer.*parseInt*(value1);

**int** b=Integer.*parseInt*(value2);

**int** n=a/b;

Toast.*makeText*(getApplicationContext(),String.*valueOf*(n),Toast.*LENGTH\_LONG*).show();

}

});

}

@Override

**public boolean** onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present. getMenuInflater().inflate(R.menu.*main*, menu);

**return true**;

}

}

XML Code:

<RelativeLayout xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* xmlns:tools=*"*[*http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"* android:layout\_height=*"match\_parent"* android:paddingBottom=*"@dimen/activity\_vertical\_margin"* android:paddingLeft=*"@dimen/activity\_horizontal\_margin"* android:paddingRight=*"@dimen/activity\_horizontal\_margin"* android:paddingTop=*"@dimen/activity\_vertical\_margin"* tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/editText1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentLeft=*"true"* android:layout\_alignParentTop=*"true"* android:layout\_marginLeft=*"53dp"* android:layout\_marginTop=*"34dp"* android:ems=*"10"* android:inputType=*"number"* >

<requestFocus />

</EditText>

<EditText

android:id=*"@+id/editText2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText1"* android:layout\_below=*"@+id/editText1"* android:layout\_marginTop=*"48dp"* android:ems=*"10"* android:inputType=*"number"* />

<Button

android:id=*"@+id/button1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText2"* android:layout\_alignParentBottom=*"true"* android:layout\_marginBottom=*"114dp"* android:layout\_marginLeft=*"17dp"* android:text=*"@string/Btn\_Add"* />

<Button

android:id=*"@+id/button2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignBaseline=*"@+id/button1"* android:layout\_alignBottom=*"@+id/button1"* android:layout\_alignRight=*"@+id/editText2"* android:layout\_marginRight=*"20dp"*

android:text=*"@string/Btn\_Sub"* />

<Button

android:id=*"@+id/button4"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText2"* android:layout\_below=*"@+id/button2"* android:layout\_marginTop=*"24dp"* android:text=*"@string/Btn\_Div"* />

<Button

android:id=*"@+id/button3"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/button2"* android:layout\_alignParentBottom=*"true"* android:layout\_marginBottom=*"28dp"* android:text=*"@string/Btn\_Mul"* />

</RelativeLayout> String XML:

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

<resources>

<string name=*"app\_name"*>Addition</string>

<string name=*"action\_settings"*>Settings</string>

<string name=*"hello\_world"*>Hello world!</string>

<string name=*"Btn\_Add"*>Add</string>

<string name=*"Btn\_Sub"*>Sub</string>

<string name=*"Btn\_Mul"*>Mul</string>

<string name=*"Btn\_Div"*>Div</string>

</resources>

# SMS application

**MainActivity.java**

**package** com.example.sms;

**import** android.os.Bundle;

**import** android.app.Activity; **import** android.app.PendingIntent; **import** android.content.Intent;

**import** android.telephony.SmsManager;

**import** android.view.Menu;

**import** android.view.View;

**import** android.view.View.OnClickListener;

**import** android.widget.Button; **import** android.widget.EditText; **import** android.widget.Toast;

**public class** MainActivity **extends** Activity { EditText mobileno,message;

Button sendsms; @Override

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

mobileno=(EditText)findViewById(R.id.*editText1*); message=(EditText)findViewById(R.id.*editText2*); sendsms=(Button)findViewById(R.id.*button1*);

sendsms.setOnClickListener(**new** OnClickListener() { @Override

**public void** onClick(View arg0) {

String no=mobileno.getText().toString(); String msg=message.getText().toString();

Intent intent=**new** Intent(getApplicationContext(),MainActivity.**class**);

PendingIntent pi=PendingIntent.*getActivity*(getApplicationContext(), 0, intent,0);

SmsManager sms=SmsManager.*getDefault*();

sms.sendTextMessage(no, **null**, msg, pi,**null**);

Toast.*makeText*(getApplicationContext(), "Message Sent successfully!",Toast.*LENGTH\_LONG*).show();

}

});

}

@Override

**public boolean** onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present. getMenuInflater().inflate(R.menu.*main*, menu);

**return true**;

}

}

activity\_main.xml

<RelativeLayout xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* xmlns:tools=*"*[*http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"* android:layout\_height=*"match\_parent"*

tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/editText1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentRight=*"true"* android:layout\_alignParentTop=*"true"* android:layout\_marginRight=*"20dp"* android:ems=*"10"* />

<EditText

android:id=*"@+id/editText2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText1"* android:layout\_below=*"@+id/editText1"* android:layout\_marginTop=*"26dp"* android:ems=*"10"* android:inputType=*"textMultiLine"* />

<TextView

android:id=*"@+id/textView1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignBaseline=*"@+id/editText1"* android:layout\_alignBottom=*"@+id/editText1"* android:layout\_toLeftOf=*"@+id/editText1"* android:text=*"Mobile No:"* />

<TextView

android:id=*"@+id/textView2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignBaseline=*"@+id/editText2"* android:layout\_alignBottom=*"@+id/editText2"* android:layout\_alignLeft=*"@+id/textView1"* android:text=*"Message:"* />

<Button

android:id=*"@+id/button1"* android:layout\_width=*"wrap\_content"*

android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText2"* android:layout\_below=*"@+id/editText2"* android:layout\_marginLeft=*"34dp"* android:layout\_marginTop=*"48dp"* android:text=*"Send SMS"* />

</RelativeLayout>

AndroidManifest.xml

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

<manifest xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* package=*"com.example.sms"*

android:versionCode=*"1"* android:versionName=*"1.0"* >

<uses-sdk

android:minSdkVersion=*"8"* android:targetSdkVersion=*"17"* />

<uses-permission android:name=*"android.permission.SEND\_SMS"*/>

<uses-permission android:name=*"android.permission.RECEIVE\_SMS"*/>

<application

android:allowBackup=*"true"* android:icon=*"@drawable/ic\_launcher"* android:label=*"@string/app\_name"* android:theme=*"@style/AppTheme"* >

<activity

android:name=*"com.example.sms.MainActivity"* android:label=*"@string/app\_name"* >

<intent-filter>

<action android:name=*"android.intent.action.MAIN"* />

<category android:name=*"android.intent.category.LAUNCHER"* />

</intent-filter>

</activity>

</application>

</manifest>

# Authentication verification

**package** com.example.pwd;

**import** android.os.Bundle; **import** android.widget.\*; **import** android.app.Activity; **import** android.view.View;

**import** android.view.View.OnClickListener;

**public class** MainActivity **extends** Activity { EditText uname, pass;

Button blog, bclear;

@Override

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

}

**public void** addListenerOnButton(){ uname=(EditText)findViewById(R.id.*editText1*); pass=(EditText)findViewById(R.id.*editText2*); blog=(Button)findViewById(R.id.*button1*); bclear=(Button)findViewById(R.id.*button2*);

blog.setOnClickListener(**new** OnClickListener()

{

@Override

**public void** onClick(View view) {

String na=uname.getText().toString(); String p=pass.getText().toString();

**if**(na.equals("admin") &&p.equals("admin")) Toast.*makeText*(getApplicationContext(), "Authenticated...",

Toast.*LENGTH\_LONG*).show();

**else**

{

Toast.*makeText*(getApplicationContext(), "Un Authenticated...", Toast.*LENGTH\_LONG*).show();

uname.setText("");

pass.setText("");

}

}

});

bclear.setOnClickListener(**new** OnClickListener() { @Override

**public void** onClick(View view) {

// **TODO** Auto-generated method stub

}

});

uname.setText("");

pass.setText("");

}

}

Activity.xml

<RelativeLayout xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* xmlns:tools=*"*[*http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"* android:layout\_height=*"match\_parent"* android:paddingBottom=*"@dimen/activity\_vertical\_margin"* android:paddingLeft=*"@dimen/activity\_horizontal\_margin"* android:paddingRight=*"@dimen/activity\_horizontal\_margin"* android:paddingTop=*"@dimen/activity\_vertical\_margin"* tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/editText1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentTop=*"true"* android:layout\_centerHorizontal=*"true"* android:layout\_marginTop=*"26dp"* android:ems=*"10"* android:inputType=*"textPersonName"* >

<requestFocus />

</EditText>

<EditText

android:id=*"@+id/editText2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText1"* android:layout\_below=*"@+id/editText1"* android:layout\_marginTop=*"34dp"* android:ems=*"10"* android:inputType=*"textPassword"* />

<Button

android:id=*"@+id/button1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText2"* android:layout\_below=*"@+id/editText2"* android:layout\_marginTop=*"78dp"*

android:text=*"@string/log"* />

<Button

android:id=*"@+id/button2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignBottom=*"@+id/button1"* android:layout\_alignRight=*"@+id/editText1"* android:layout\_marginRight=*"16dp"* android:text=*"@string/clear"* />

</RelativeLayout>

String.xml

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

<resources>

<string name=*"app\_name"*>Pwd</string>

<string name=*"action\_settings"*>Settings</string>

<string name=*"log"*>Login</string>

<string name=*"clear"*>Clear</string>

</resources>

# Navigation application with multiple activitie

MainActivity.java packagecom.example.multiplepagesapp; importandroid.os.Bundle; importandroid.app.Activity; importandroid.content.Intent; importandroid.view.Menu; importandroid.view.View; importandroid.widget.Button;

public class MainActivity extends Activity { Intent in;

Button b1; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); b1=(Button)findViewById(R.id.button1); b1.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View arg0) {

// TODO Auto-generated method stub

in = new Intent(MainActivity.this, SeconActivity.class); startActivity(in);

}

});

}

}

**SecondActivity.java** packagecom.example.multiplepagesapp; importandroid.app.Activity;

import android.os.Bundle;

public class SeconActivity extends Activity { @Override

protected void onCreate(Bundle savedInstanceState) {

// TODO Auto-generated method stub super.onCreate(savedInstanceState); setContentView(R.layout.second\_layout);

}

}

# Data passing application

**Main Activity .Java**

package com.example.message;

import android.os.Bundle; import android.app.Activity; import android.content.Intent; import android.view.Menu; import android.view.View; import android.widget.Button; import android.widget.EditText; import android.widget.Toast;

public class MainActivity extends Activity { Intent in;

Button b1;

EditText t1, t2;

String strname, strregno; int reg;

@Override

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

t1=(EditText)findViewById(R.id.editText1); t2=(EditText)findViewById(R.id.editText2);

b1=(Button)findViewById(R.id.button1); b1.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View arg0) {

// TODO Auto-generated method stub

strname=t1.getText().toString(); strregno=t2.getText().toString();

//Toast.makeText(getApplicationContext(), "Data:"+strname+"\n"+reg, Toast.LENGTH\_LONG).show();

in=new Intent(getApplicationContext(), SecondActivity.class); in.putExtra("MyName", strname);

startActivity(in);

}

});

}

}

**SecondActivity.Java**

package com.example.message;

import android.app.Activity; import android.content.Intent; import android.os.Bundle; import android.widget.TextView; import android.widget.Toast;

public class SecondActivity extends Activity { TextView tv1;

Intent in;

@Override

protected void onCreate(Bundle savedInstanceState) {

// TODO Auto-generated method stub super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_second); tv1=(TextView)findViewById(R.id.textView1);

in=getIntent();

tv1.setText(in.getStringExtra("MyName"));

//Toast.makeText(getApplicationContext(), in.getIntExtra("MyReg", 0), Toast.LENGTH\_LONG).toString();

//tv2.setText(in.getIntExtra("MyReg", 0));

}

}

**Main Activity.XML** xmlns:tools=[*"http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"*

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

tools:context=*".MainActivity"* >

<EditText

android:id=*"@+id/editText1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentRight=*"true"* android:layout\_alignParentTop=*"true"* android:layout\_marginRight=*"20dp"* android:ems=*"10"* />

<EditText

android:id=*"@+id/editText2"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText1"* android:layout\_below=*"@+id/editText1"* android:layout\_marginTop=*"26dp"* android:ems=*"10"* android:inputType=*"textMultiLine"* />

<Button

android:id=*"@+id/button1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignLeft=*"@+id/editText2"* android:layout\_below=*"@+id/editText2"* android:layout\_marginLeft=*"34dp"* android:layout\_marginTop=*"48dp"* android:text=*"Click"* />

</RelativeLayout>

**Second Activity.XML**

<RelativeLayout xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* xmlns:tools=*"*[*http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"* android:layout\_height=*"match\_parent"* android:paddingBottom=*"@dimen/activity\_vertical\_margin"* android:paddingLeft=*"@dimen/activity\_horizontal\_margin"* android:paddingRight=*"@dimen/activity\_horizontal\_margin"* android:paddingTop=*"@dimen/activity\_vertical\_margin"* tools:context=*".SecondActivity"* >

<TextView

android:id=*"@+id/textView1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentLeft=*"true"* android:layout\_alignParentTop=*"true"* android:layout\_marginLeft=*"28dp"* android:layout\_marginTop=*"54dp"* android:text=*"TextView"* />

</RelativeLayout>

# Simple notification application

MainActivity.java

**package** com.example.notify;

**import** android.os.Bundle;

**import** android.support.v4.app.NotificationCompat;

**import** android.view.View; **import** android.widget.Button; **import** android.app.Activity;

**import** android.app.NotificationManager; **import** android.app.PendingIntent; **import** android.content.Context;

**import** android.content.Intent;

**public class** MainActivity **extends** Activity { Button b;

Intent in;

@Override

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

b=(Button)findViewById(R.id.*button1*); b.setOnClickListener(**new** View.OnClickListener() {

@Override

**public void** onClick(View arg0) {

// **TODO** Auto-generated method stub

NotificationCompat.Builder nBuilder=**new** NotificationCompat.Builder(getApplicationContext());

nBuilder.setSmallIcon(R.drawable.*ic\_launcher*); nBuilder.setContentTitle("My Notification..."); nBuilder.setContentText("Hi hello...i am notification for

you!. ");

in=**new** Intent(MainActivity.**this**, MainActivity.**class**); PendingIntent

pin=PendingIntent.*getActivity*(getApplicationContext(), 0, in, PendingIntent.*FLAG\_UPDATE\_CURRENT*);

nBuilder.setContentIntent(pin);

NotificationManager nm=(NotificationManager)getSystemService(Context.*NOTIFICATION\_SERVICE*);

nm.notify(0,nBuilder.build());

}

});

}

}

Activity\_main.xml

<RelativeLayout xmlns:android=[*"http://schemas.android.com/apk/res/android*](http://schemas.android.com/apk/res/android)*"* xmlns:tools=*"*[*http://schemas.android.com/tools*](http://schemas.android.com/tools)*"* android:layout\_width=*"match\_parent"* android:layout\_height=*"match\_parent"* android:paddingBottom=*"@dimen/activity\_vertical\_margin"* android:paddingLeft=*"@dimen/activity\_horizontal\_margin"* android:paddingRight=*"@dimen/activity\_horizontal\_margin"* android:paddingTop=*"@dimen/activity\_vertical\_margin"* tools:context=*".MainActivity"* >

<Button

android:id=*"@+id/button1"* android:layout\_width=*"wrap\_content"* android:layout\_height=*"wrap\_content"* android:layout\_alignParentRight=*"true"* android:layout\_alignParentTop=*"true"* android:layout\_marginRight=*"111dp"* android:layout\_marginTop=*"176dp"* android:text=*"Click"* />

</RelativeLayout>

# Student placement registration form with SQLITE database

**Java Code:**

MainActivity.java **package**com.example.placementapp; **import**android.os.Bundle; **import**android.app.Activity; **import**android.view.View; **import**android.view.View.OnClickListener; **import**android.widget.AdapterView;

**import**android.widget.AdapterView.OnItemSelectedListener; **import**android.widget.Button; **import**android.widget.EditText; **import**android.widget.RadioButton; **import**android.widget.RadioGroup; **import**android.widget.Spinner;

**import**android.widget.Toast;

**publicclass**MainActivity**extends** Activity **implements**OnClickListener, OnItemSelectedListener{

EditTexttxt1, txt2, txt3, txt4, txt5; Button b1, b2;

RadioGrouprg; RadioButtonr; Spinner sp; String dept; @Override

**protectedvoid**onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*); txt1=(EditText)findViewById(R.id.*txtRegNo*); txt2=(EditText)findViewById(R.id.*txtName*); txt3=(EditText)findViewById(R.id.*txt10th*); txt4=(EditText)findViewById(R.id.*txt12th*); txt5=(EditText)findViewById(R.id.*txtug*); b1=(Button)findViewById(R.id.*btnSubmit*); b2=(Button)findViewById(R.id.*btnClear*); b1.setOnClickListener(**this**); b2.setOnClickListener(**this**); rg=(RadioGroup)findViewById(R.id.*radioGroup*); sp=(Spinner)findViewById(R.id.*sprDepts*); sp.setOnItemSelectedListener(**this**);

}

@Override

**publicvoid**onClick(View arg0) {

// **TODO** Auto-generated method stub DatabaseHandlerdb = **new**DatabaseHandler(**this**);

**switch**(arg0.getId())

{

**case**R.id.*btnSubmit*: **int**reg=Integer.*parseInt*(txt1.getText().toString()); String n=txt2.getText().toString();

**int** rid=rg.getCheckedRadioButtonId(); r=(RadioButton)findViewById(rid); String gen=r.getText().toString();

//department

**float** ten=Float.*parseFloat*(txt3.getText().toString()); **float**twele=Float.*parseFloat*(txt4.getText().toString()); **float**ug=Float.*parseFloat*(txt5.getText().toString());

//Toast.makeText(getApplicationContext(), "The Values are:\n Reg.no:"+reg+"\nName:"+n+"\nGender:"+gen+"\nDepartment:"+dept+"\n10Tth Mark:"+ten+"\n12th Mark:"+twele+"\nUG Mark:"+ug, Toast.LENGTH\_LONG).show(); db.insertEntry(reg, n, gen, dept, ten, twele, ug);

Toast.*makeText*(getApplicationContext(), "Record inserted successfully...", Toast.*LENGTH\_LONG*).show(); txt1.setText("");

txt2.setText("");

txt3.setText("");

txt4.setText("");

txt5.setText(""); **break**; **case**R.id.*btnClear*:

txt1.setText("");

txt2.setText("");

txt3.setText("");

txt4.setText("");

txt5.setText("");

# break;

}

}

@Override

**publicvoid**onItemSelected(AdapterView<?> arg0, View arg1, **int** arg2,

**long** arg3) {

// **TODO** Auto-generated method stub dept=sp.getSelectedItem().toString();

}

@Override

**publicvoid**onNothingSelected(AdapterView<?> arg0) {

// **TODO** Auto-generated method stub

}

}

**DatabaseHandler.java package**com.example.placementapp; **import**android.content.ContentValues; **import**android.content.Context; **import**android.database.sqlite.SQLiteDatabase; **import**android.database.sqlite.SQLiteOpenHelper; **publicclass**DatabaseHandler**extends**SQLiteOpenHelper{ **privatestaticfinalint***DATABASE\_VERSION* = 1; **privatestaticfinal** String *DATABASE\_NAME* = "Placement"; **privatestaticfinal** String *TABLE\_DETAILS* = "detail"; **privatestaticfinal** String *KEY\_ID* = "regno"; **privatestaticfinal** String *KEY\_NAME* = "name"; **privatestaticfinal** String *KEY\_GENDER* = "gender"; **privatestaticfinal** String *KEY\_DEPT* = "dept"; **privatestaticfinal** String *KEY\_10TH* = "tenthmark"; **privatestaticfinal** String *KEY\_12TH* = "twlvethmark"; **privatestaticfinal** String *KEY\_UG* = "ugmark"; **public**DatabaseHandler(Context context) {

**super**(context, *DATABASE\_NAME*, **null**, *DATABASE\_VERSION*);

// **TODO** Auto-generated constructor stub

}

@Override

**publicvoid**onCreate(SQLiteDatabasedb) {

// **TODO** Auto-generated method stub

String cQuery="CREATE TABLE " + *TABLE\_DETAILS* + "(" + *KEY\_ID*

+ " INTEGER PRIMARY KEY, " + *KEY\_NAME* + " TEXT, " + *KEY\_GENDER* + " TEXT, "+ *KEY\_DEPT* + " TEXT, " + *KEY\_10TH* +" REAL, " + *KEY\_12TH* + " REAL, "

+ *KEY\_UG* + " REAL " + ");";

db.execSQL(cQuery);

}

@Override

**publicvoid**onUpgrade(SQLiteDatabasedb, **int** arg1, **int** arg2) {

// **TODO** Auto-generated method stub

db.execSQL("DROP TABLE IF EXISTS " + *TABLE\_DETAILS*);

onCreate(db);

}

**publicvoid**insertEntry(**int**reg, String nam, String gen, String dept, **float**tenmark, **float**twlemark, **float**ugmark){

SQLiteDatabasedb = **this**.getWritableDatabase(); ContentValues values = **new**ContentValues(); values.put(*KEY\_ID*, reg); // Dept ID values.put(*KEY\_NAME*, nam); // Dept Name values.put(*KEY\_GENDER*, gen); values.put(*KEY\_DEPT*, dept);

values.put(*KEY\_10TH*, tenmark); values.put(*KEY\_12TH*, twlemark); values.put(*KEY\_UG*, ugmark);

// Inserting Row db.insert(*TABLE\_DETAILS*, **null**, values); db.close(); // Closing database connection

}

}

# Web browser application

packagecom.example.mywebapp; importandroid.os.Bundle; importandroid.view.View; importandroid.webkit.WebSettings; importandroid.webkit.WebView; importandroid.webkit.WebViewClient; importandroid.widget.Button; importandroid.widget.EditText; importandroid.app.Activity;

public class MainActivity extends Activity { EditTexttxturl;

Button b; WebViewwv;

privateWebSettingsgetString; @Override

protected void onCreate(Bundle savedInstanceState) { super.onCreate(savedInstanceState); setContentView(R.layout.activity\_main); txturl=(EditText)findViewById(R.id.editText1); b=(Button)findViewById(R.id.button1); wv=(WebView)findViewById(R.id.webView1);

//WebSettingswebSettings = wv.getSettings();

//webSettings.setJavaScriptEnabled(true); b.setOnClickListener(new View.OnClickListener() { @Override

public void onClick(View arg0) {

// TODO Auto-generated method stub wv.setWebViewClient(new WebViewClient()); wv.loadUrl("http://"+txturl.getText().toString());

}

});

}

}

**10.E-mail application package**com.example.emailapp;

**import**android.os.Bundle; **import**android.view.View; **import**android.widget.Button; **import**android.widget.EditText; **import**android.app.Activity; **import**android.content.Intent;

**publicclass**MainActivity**extends** Activity {

EditTexttxtTo, txtSub, txtMsg; Button b;

String strTo, strSub, strMsg; Intent in;

@Override

**protectedvoid**onCreate(Bundle savedInstanceState) { **super**.onCreate(savedInstanceState); setContentView(R.layout.*activity\_main*);

txtTo=(EditText)findViewById(R.id.*editText1*); txtSub=(EditText)findViewById(R.id.*editText2*); txtMsg=(EditText)findViewById(R.id.*editText3*);

b=(Button)findViewById(R.id.*button1*); b.setOnClickListener(**new**View.OnClickListener() {

@Override

**publicvoid**onClick(View arg0) {

// **TODO** Auto-generated method stub

strTo=txtTo.getText().toString(); strSub=txtSub.getText().toString(); strMsg=txtMsg.getText().toString();

in=**new**Intent(Intent.*ACTION\_SEND*);

//in.putExtra(Intent.EXTRA\_EMAIL, new String[]{strTo}); in.putExtra(Intent.*EXTRA\_EMAIL*, strTo); in.putExtra(Intent.*EXTRA\_SUBJECT*, strSub); in.putExtra(Intent.*EXTRA\_TEXT*, strMsg);

in.setType("message/rfc822");

startActivity(Intent.*createChooser*(in, "Choose an email

client..."));

}

});

}

}

# AndroidManifest.xml

<?xmlversion=*"1.0"*encoding=*"utf-8"*?>

<manifestxmlns:android=[*"http://schemas.android.com/apk/res/android"*](http://schemas.android.com/apk/res/android)package=*"com.example.emailapp"*

android:versionCode=*"1"* android:versionName=*"1.0"*>

<uses-sdk android:minSdkVersion=*"8"* android:targetSdkVersion=*"18"*/>

<application android:allowBackup=*"true"* android:icon=*"@drawable/ic\_launcher"* android:label=*"@string/app\_name"* android:theme=*"@style/AppTheme"*>

<activity android:name=*"com.example.emailapp.MainActivity"* android:label=*"@string/app\_name"*>

<intent-filter>

<actionandroid:name=*"android.intent.action.MAIN"*/>

<categoryandroid:name=*"android.intent.category.LAUNCHER"*/>

</intent-filter>

</activity>

</application>

<uses-permissionandroid:name=*"android.permission.INTERNET"*/>

</manifest>