ANDROID APPLICATION LIFE CYCLE

packagecom.example.androidlifecycle;

importandroid.os.Bundle;

importandroid.app.Activity;

importandroid.view.Menu;

importandroid.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();

}

}

2) calculator

package com.example.cal;

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;

}

}

3) sms

package com.example.sms;

import android.os.Bundle;

import android.app.Activity;

import android.view.Menu;

import android.content.Intent;

import android.net.Uri;

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 phoneNumber;

private EditText smsBody;

//private Button smsManagerBtn;

private Button smsSendToBtn;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

phoneNumber = (EditText) findViewById(R.id.editText1);

smsBody = (EditText) findViewById(R.id.editText2);

//smsManagerBtn = (Button) findViewById(R.id.button1);

smsSendToBtn = (Button) findViewById(R.id.button1);

smsSendToBtn.setOnClickListener(new OnClickListener() {

public void onClick(View view) {

sendSmsBySIntent();

}

});}

public void sendSmsBySIntent() {

// add the phone number in the data

Uri uri = Uri.parse("smsto:" + phoneNumber.getText().toString());

Intent smsSIntent = new Intent(Intent.ACTION\_SENDTO, uri);

// add the message at the sms\_body extra field

smsSIntent.putExtra("sms\_body", smsBody.getText().toString());

try{

startActivity(smsSIntent);

} catch (Exception ex) {

Toast.makeText(MainActivity.this, "Your sms has failed...",

Toast.LENGTH\_LONG).show();

ex.printStackTrace();

}

}

@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;

}

}

4)password

package com.example.pass;

import android.os.Bundle;

import android.app.Activity;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

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);

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 View.OnClickListener() {

@Override

public void onClick(View arg0) {

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(), "Unauthenticated...", Toast.LENGTH\_LONG).show();

uname.setText("");

pass.setText("");

}

}

});

bclear.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View arg0) {

uname.setText("");

pass.setText("");

}

});

}

}

5)multiple activity

import android.os.Bundle;

import android.app.Activity;

import android.content.Intent;

import android.view.View;

import android.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, Second\_Activity.class);

startActivity(in);

}

});

}}

package com.example.multiple;

import android.app.Activity;

import android.os.Bundle;

public class Second\_Activity extends Activity {

@Override

protected void onCreate(Bundle savedInstanceState) {

// TODO Auto-generated method stub

super.onCreate(savedInstanceState);

setContentView(R.layout.second\_layout);

}

}

6) passing parameter

MainActivity.java

package com.example.parameter;

import android.os.Bundle;

import android.app.Activity;

import android.content.Intent;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.widget.Toast;

public class MainActivity extends Activity {

EditText uname, pass;

Button blog, bclear;

Intent in;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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 View.OnClickListener() {

@Override

public void onClick(View arg0) {

// TODO Auto-generated method stub

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();

in=new

Intent(getApplicationContext(),SecondActivity.class);

in.putExtra("myName", na);

startActivity(in);

}

else

{

Toast.makeText(getApplicationContext(), "Un

Authenticated...", Toast.LENGTH\_LONG).show();

uname.setText("");

pass.setText("");

}

}

});

bclear.setOnClickListener(new View.OnClickListener() {

@Override

public void onClick(View arg0) {

// TODO Auto-generated method stub

uname.setText("");

pass.setText("");

}

});

}

}

Second Activity.java

package com.example.parameter;

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 tv;

String na;

@Override

protected void onCreate(Bundle savedInstanceState) {

// TODO Auto-generated method stub

super.onCreate(savedInstanceState);

setContentView(R.layout.second\_activity);

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

Intent in=getIntent();

na=in.getStringExtra("myName");

tv.setText("welcome"+" \t"+na);

}

7)notify

package com.example.notify;

import android.os.Bundle;

import android.app.Activity;

import android.app.NotificationManager;

import android.content.Context;

import android.support.v4.app.NotificationCompat;

import android.view.View;

public class MainActivity extends Activity {

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

sendNotification(null);

}

public void sendNotification(View view) {

//Get an instance of NotificationManager//

NotificationCompat.Builder mBuilder = new NotificationCompat.Builder(this)

.setSmallIcon(R.drawable.ic\_launcher)

.setContentTitle("My notification")

.setContentText("Hello World!");

// Gets an instance of the NotificationManager service//

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

// NotificationManager.notify().

mNotificationManager.notify(001, mBuilder.build());

}

}

8)student database

package com.example.studentinfo;

import com.example.studentinfo.R.id;

import android.app.Activity;

import android.app.AlertDialog.Builder;

import android.content.Context;

import android.database.Cursor;

import android.database.sqlite.SQLiteDatabase;

import android.os.Bundle;

import android.view.View;

import android.view.View.OnClickListener;

import android.widget.Button;

import android.widget.EditText;

public class MainActivity extends Activity implements OnClickListener

{

EditText Rollno,Name,Marks;

Button Insert,Delete,Update,View,ViewAll;

SQLiteDatabase db;

/\*\* Called when the activity is first created. \*/

@Override

public void onCreate(Bundle savedInstanceState)

{

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

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

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

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

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

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

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

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

//ViewAll=(Button)findViewById(R.id.ViewAll);

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

Insert.setOnClickListener(this);

Delete.setOnClickListener(this);

Update.setOnClickListener(this);

View.setOnClickListener(this);

ViewAll.setOnClickListener(this);

// Creating database and table

db=openOrCreateDatabase("StudentDB", Context.MODE\_PRIVATE, null);

db.execSQL("CREATE TABLE IF NOT EXISTS student(rollno VARCHAR,name VARCHAR,marks VARCHAR);");

}

private Button findViewById(Class<id> class1) {

// TODO Auto-generated method stub

return null;

}

public void onClick(View view)

{

// Inserting a record to the Student table

if(view==Insert)

{

// Checking for empty fields

if(Rollno.getText().toString().trim().length()==0||

Name.getText().toString().trim().length()==0||

Marks.getText().toString().trim().length()==0)

{

showMessage("Error", "Please enter all values");

return;

}

db.execSQL("INSERT INTO student VALUES('"+Rollno.getText()+"','"+Name.getText()+

"','"+Marks.getText()+"');");

showMessage("Success", "Record added");

clearText();

}

// Deleting a record from the Student table

if(view==Delete)

{

// Checking for empty roll number

if(Rollno.getText().toString().trim().length()==0)

{

showMessage("Error", "Please enter Rollno");

return;

}

Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+Rollno.getText()+"'", null);

if(c.moveToFirst())

{

db.execSQL("DELETE FROM student WHERE rollno='"+Rollno.getText()+"'");

showMessage("Success", "Record Deleted");

}

else

{

showMessage("Error", "Invalid Rollno");

}

clearText();

}

// Updating a record in the Student table

if(view==Update)

{

// Checking for empty roll number

if(Rollno.getText().toString().trim().length()==0)

{

showMessage("Error", "Please enter Rollno");

return;

}

Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+Rollno.getText()+"'", null);

if(c.moveToFirst()) {

db.execSQL("UPDATE student SET name='" + Name.getText() + "',marks='" + Marks.getText() +

"' WHERE rollno='"+Rollno.getText()+"'");

showMessage("Success", "Record Modified");

}

else {

showMessage("Error", "Invalid Rollno");

}

clearText();

}

// Display a record from the Student table

if(view==View)

{

// Checking for empty roll number

if(Rollno.getText().toString().trim().length()==0)

{

showMessage("Error", "Please enter Rollno");

return;

}

Cursor c=db.rawQuery("SELECT \* FROM student WHERE rollno='"+Rollno.getText()+"'", null);

if(c.moveToFirst())

{

Name.setText(c.getString(1));

Marks.setText(c.getString(2));

}

else

{

showMessage("Error", "Invalid Rollno");

clearText();

}

}

// Displaying all the records

if(view==ViewAll)

{

Cursor c=db.rawQuery("SELECT \* FROM student", null);

if(c.getCount()==0)

{

showMessage("Error", "No records found");

return;

}

StringBuffer buffer=new StringBuffer();

while(c.moveToNext())

{

buffer.append("Rollno: "+c.getString(0)+"\n");

buffer.append("Name: "+c.getString(1)+"\n");

buffer.append("Marks: "+c.getString(2)+"\n\n");

}

showMessage("Student Details", buffer.toString());

}

}

public void showMessage(String title,String message)

{

Builder builder=new Builder(this);

builder.setCancelable(true);

builder.setTitle(title);

builder.setMessage(message);

builder.show();

}

public void clearText()

{

Rollno.setText("");

Name.setText("");

Marks.setText("");

Rollno.requestFocus();

}

}

9)web

package com.example.web;

import android.os.Bundle;

import android.view.View;

import android.webkit.WebSettings;

import android.webkit.WebView;

import android.webkit.WebViewClient;

import android.widget.Button;

import android.widget.EditText;

import android.app.Activity;

public class MainActivity extends Activity {

EditText txturl;

Button b;

WebView wv;

private WebSettings getString;

@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.view1);

//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());

}

});

}

public WebSettings getGetString() {

return getString;

}

public void setGetString(WebSettings getString) {

this.getString = getString;

}

}

10)email

package com.example.email;

import android.os.Bundle;

import android.view.View;

import android.widget.Button;

import android.widget.EditText;

import android.app.Activity;

import android.content.Intent;

public class MainActivity extends Activity {

EditText txtTo, txtSub, txtMsg;

Button b;

String strTo, strSub, strMsg;

Intent in;

@Override

protected void 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

public void 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..."));}}); }}