```
Toast Hello World
                                                }).setNegativeButton("No",new
                                                                                                TextView txtmsg; @Override
                                                                                                                                                package com.example.checkbox;
package com.example.helloworld;
                                                DialogInterface.OnClickListener()
                                                                                                protected void onCreate(Bundle
                                                                                                                                                import android.os.Bundle;
import android.os.Bundle;
                                                                                                savedInstanceState)
import android.app.Activity;
                                                public void onClick(DialogInterface
                                                                                                super.onCreate(savedInstanceState):
import android.graphics.Color;
                                                dialog, int id) {
import android.widget.RelativeLayout;
                                                                                                setContentView(R.layout.activity_main);
                                                dialog.cancel();
                                                                                                rdmale = (RadioButton)
import android.widget.TextView;
import android.widget.Toast;
                                                                                                findViewByld(R.id. radiomale);
public class MainActivity extends
                                                AlertDialog alertD = alertDB.create();
                                                                                               rdfemale = (RadioButton)
findViewById(R.id.radiofemale);
Activity
                                                alertD.show():
                                                                                                btshow = (Button)
RelativeLayout ab;
                                                                                                findViewByld(R.id.buttonshow);
TextView cd;
                                                                                                btdefault = (Button)
                                                                                                findViewBvld(R.id.buttondefault):
@0verride
                                                Menu Program
protected void onCreate(Bundle
                                                package com.example.menu;
                                                                                                txtmsg = (TextView)
savedInstanceState)
                                                import android.os.Bundle;
                                                                                                findViewByld(R.id.txtmsg);
                                                import android.app.Activity;
                                                                                                txtmsg.setText("");
super.on Create (savedInstance State);\\
                                                                                                btshow.setOnClickListener(this):
                                                import android.view.ContextMenu;
setContentView(R.layout.activity_main);
                                                                                                btdefault.setOnClickListener(this):
                                                import
ab = (RelativeLayout)
                                                \stackrel{\cdot}{\text{android.view.ContextMenu.ContextMen}}
                                                                                                ,
@Override
findViewByld(R.id.r1);
                                                                                                public void onClick(View v)
                                                import android.view.Menu;
cd = (TextView)
findViewByld(R.id.textView1);
                                                import android.view.MenuItem;
ab.setBackgroundColor(Color.BLACK);
                                                import android.view.View:
                                                                                                Button action=(Button) v:
cd.setTextColor(Color.RED);
                                                import android.widget.LinearLayout;
                                                                                                if(action.getId()==btshow.getId())
Toast.makeText(this, "Hello World",
                                                import android.widget.Toast;
Toast. LENGTH_LONG).show();
                                                public class MainActivity extends
                                                                                                String msg="You Are ";
                                                                                                if(rdmale.isChecked())
                                                Activity
                                                                                                msg=msg+rdmale.getText().toString();
                                                                                                else if(rdfemale.isChecked())
                                                .
LinearLayout II;
Addition
                                                @Override
                                                                                                msg=msg+rdfemale.getText().toString();
                                                protected void onCreate(Bundle
package com.example.addition;
                                                                                                txtmsa.setText(msa):
import android.os.Bundle;
                                                .
savedInstanceState)
import android.app.Activity;
                                                                                                else if(action.getId()==btdefault.getId())
import android.view.View;
                                                super.onCreate(savedInstanceState);
\pmb{import} \ and roid.widget. Edit Text;
                                                setContentView(R.layout.activity_main);
                                                                                                rdmale.setChecked(true);
import android.widget.TextView:
                                                ll=(LinearLavout)
                                                                                                txtmsg.setText("");
public class MainActivity extends
                                                findViewByld(R.id.linearlayout);
Activity
                                                ll.setOnCreateContextMenuListener(thi
@Override
protected void onCreate(Bundle
                                                @Override
                                                                                                Spinner
savedInstanceState)
                                                public boolean
                                                                                                package com.example.spinner;
                                                onCreateOptionsMenu(Menu menu)
                                                                                                import android.os.Bundle;
super.onCreate(savedInstanceState);
                                                                                                import android.app.Activity;
                                                menu.add(0,0,0, "item 1");
setContentView(R.layout.activity_main);
                                                                                                import android.view.View:
                                                menu.add(0,1,1, "item 2");
menu.add(0,2,2, "item 3");
                                                                                                import
public void sum(View v)
                                                                                                and roid.widget. Adapter View. On Item Sel\\
                                                return true:
                                                                                                ectedListener
EditText
                                                                                                import android.widget.AdapterView;
e1 = (EditText) findViewByld(R.id.\textit{editText1})
                                                @Override
                                                                                                import android.widget.ArrayAdapter;
                                                public boolean
                                                                                                import android.widget.Spinner;
                                                onOptionsItemSelected(MenuItem item)
                                                                                                import android.widget.Toast;
e2 \hbox{=} (\hbox{EditText}) \hbox{findViewByld} (\hbox{R.id.} \textit{editText})
                                                                                                public class MainActivity extends
21:
                                                super.onOptionsItemSelected(item):
                                                                                                Activity implements
TextView
                                                Toast.makeText(this,
                                                                                                OnltemSelectedListener
t1=(TextView)findViewById(R.id.tv1);
                                                item.getTitle().toString(),
                                                Toast. LENGTH_SHORT).show();
                                                                                                String
int a =
                                                                                               category[]={"Automobile","Business","E
ducation","Personal"};
Integer.parseInt(e1.getText().toString());
                                                return true:
int b =
                                                @Override
                                                                                                Spinner spin;
Integer.parseInt(e2.getText().toString());
                                                public void
                                                                                                @Override
t1.setText(Integer.toString(c));
                                                onCreateContextMenu(ContextMenu
                                                                                                protected void onCreate(Bundle
                                                menu. View v.
                                                                                                savedInstanceState)
                                                ContextMenuInfo menuInfo)
                                                                                                super.onCreate(savedInstanceState);
                                                                                                setContentView(R.layout.activity_main);
Alert Box
                                                super.onCreateContextMenu(menu, v,
package com.example.alertbox;
                                                menuInfo):
                                                                                                spin=(Spinner)
                                                menu.add(0,0,0, "item 1");
                                                                                                findViewByld(R.id.spinner1);
import android.os.Bundle:
                                                menu.add(0,1,1, "item 2");
import android.app.Activity;
                                                                                                ArrayAdapter<String> arr = new
import android.app.AlertDialog;
                                                menu.add(0,2,2, "item 3");
                                                                                                ArrayAdapter<String>(this,
import android.content.DialogInterface;
                                                                                                android.R.layout.simple_spinner_item,c
import android view View:
                                                @0verride
                                                                                                ategory):
public class MainActivity extends
                                                                                                arr.setDropDownViewResource(androi
                                                public boolean
Activity
                                                onContextItemSelected(MenuItem item)
                                                                                                d.R.layout.simple_spinner_dropdown_it
@Override
                                                super.onContextItemSelected(item);
                                                                                                spin.setAdapter(arr);
protected void onCreate(Bundle
                                                                                                spin.setOnItemSelectedListener(this);;
                                                Toast.makeText(this.item.getTitle().
                                                Toast. LENGTH_SHORT).show();
savedInstanceState)
                                                                                                @Override
                                                return true;
                                                                                                public void
super.onCreate(savedInstanceState):
                                                                                                onItemSelected(AdapterView<?> arg0,
setContentView(R.layout.activity_main);
                                                                                                View arg1, int
public void showAlert(View v)
                                                Radio Button
                                                                                               arg2, long arg3)
                                                package com.example.radiobtn;
AlertDialog.Builder alertDB = new
                                                import android.os.Bundle;
                                                                                                Toast.makeText(this, "Selected: "
A lert Dialog. Builder (this); a lert DB. set Titl
                                                import android.app.Activity;
                                                                                                +spin.getSelectedItem().
e("Your Title");
                                                import android.view.View;
                                                                                                Toast. LENGTH_SHORT).show();
alertDB.setMessage("Click yes to
exit!").setCancelable(false)
                                                android.view.View.OnClickListener;
                                                                                                @Override
setPositiveButton("Yes" new
                                                                                                public void
                                                import android.widget.Button;
                                                import android.widget.RadioButton;
DialogInterface.OnClickListener()
                                                                                                onNothingSelected(AdapterView<?>
                                                import android.widget.TextView;
                                                                                                arg0)
public void onClick(DialogInterface
                                                public class MainActivity extends
dialog, int id)
                                                Activity implements OnClickListener
                                                                                                                                                @Override
                                                                                                                                                protected void onCreate(Bundle
```

RadioButton rdmale,rdfemale;

Check box

Button btshow.btdefault:

MainActivity.this.finish();

import android.app.Activity; import android.view.View import android.widget.Button; import android.widget.CheckBox; import android.widget.TextView; public class MainActivity extends Activity CheckBox cbPaint,cbRead,cbCook; Button btnShow; TextView tv; @Override protected void onCreate(Bundle savedInstanceState) super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); (TextView)findViewByld(R.id.*tvDetails*); tv.setText(""); } public void onClickShow(View v) cbPaint=(CheckBox)findViewByld(R.id.c bPaint); cbRead=(CheckBox)findViewByld(R.id.c bRead): cbCook=(CheckBox)findViewById(R.id.c bCook); tv.setText("I Like "); if(cbPaint.isChecked()) { tv.setText(tv.getText().toString()+"\n"+ cbPaint.getText().toString()); if(cbRead.isChecked()) { tv.setText(tv.getText().toString()+ "\n"+cbRead.getText().toString()); if(cbCook.isChecked()) { tv.setText(tv.getText().toString()+ "\n"+cbCook.getText().toString()); if(!cbPaint.isChecked()&&!cbRead.isChe cked()&&!cbCook.isChecked()) { tv.setText(""): Image View package com.example.imgview; import android.os.Bundle; import android.app.Activity; import android.view.View; import android.widget.ImageView; public class MainActivity extends Activity ImageView imgView: @0verride protected void onCreate(Bundle savedInstanceState) super.onCreate(savedInstanceState); setContentView(R.layout.activity_main); public void changeImg(View v) imgView = (ImageView) findViewByld(R.id.imageView1); imgView.setImageResource(R.drawabl e.*img*); } List View package com.example.listview; import android.os.Bundle: import android.app.Activity; import android.view.View; import android.widget.AdapterView; import android.widget.AdapterView.OnItemClic kListener; import android.widget.ArrayAdapter; import android.widget.ListView; import android.widget.Toast; public class MainActivity extends Activity implements OnltemClickListener {I istView Iv-String cource[]={"MCA","MBA","BCA","BBA","B COM"}

savedInstanceState)

```
txtResult.setText(txtResult.getText().to
super.onCreate(savedInstanceState);
setContentView(R.layout.activity_main);
                                                 String()+"\n"+number+"x"+i+"="+
                                                                                                  j);
                                                 (number*i)); }
                                                                                                  public void
                                                                                                  setActivityBackgroundColor(int color)
lv=(ListView)
                                                 }):
findViewByld(R.id.listViewcource);
                                                                                                  { View view =
ArrayAdapter<String> arr=new
                                                                                                  this.getWindow().getDecorView();
ArrayAdapter<String>(this,
                                                 IP Address
                                                                                                   view.setBackgroundColor(color);
                                                 package com.example.ipadrs;
import java.net.InetAddress;
android.R.layout.simple_list_item_1,cou
rce):
                                                 import java.net.NetworkInterface;
lv.setAdapter(arr);
lv.setOnItemClickListener(this);
                                                 import java.util.Collections;
                                                                                                  Background Image
                                                 import java.util.List;
                                                 import android.app.Activity;
import android.net.wifi.WifiManager;
                                                                                                  com.example.backgroundimage;import
catch(Exception e)
                                                                                                  android.os.Bundle;
Toast.makeText(this,e.toString(),
                                                 import android.os.Bundle;
                                                                                                  import android.app.Activity;
Toast. LENGTH_LONG).show();
                                                 import android.text.format.Formatter;
                                                                                                  import android.graphics.Color;
                                                 import android.view.Menu;
                                                                                                  import android.view.Menu;
                                                 import android.widget.TextView;
@Override
                                                                                                  import android.view.View:
public void
                                                 public class MainActivity extends
                                                                                                  import android.widget.Button;
onItemClick(AdapterView<?> arg0, View
                                                                                                  import android.widget.LinearLayout;
                                                 Activity {
arg1, int
                                                 TextView tv;
                                                                                                  public class MainActivity extends
                                                 protected void onCreate(Bundle
                                                                                                  Activity {
Button btnOK;
position, long arg3)
                                                 savedInstanceState) {
Toast.makeText(this, cource[position] +
                                                 super.onCreate(savedInstanceState);
                                                                                                  @Override
" is selected."
                                                 setContentView(R.layout.activity_main);
                                                                                                  protected void onCreate(Bundle
Toast.LENGTH_SHORT).show();
                                                 tv = (TextView)
                                                                                                   savedInstanceState) {
                                                 findViewByld(R.id.textView1);
                                                                                                  super.onCreate(savedInstanceState):
                                                 WifiManager wm = (WifiManager)
                                                                                                  setContentView(R.layout.activity_main);
                                                 getSystemService(WIFI_SERVICE);Strin
                                                                                                  btnOK = (Button)
                                                                                                  findViewByld(R.id.btnChangeImage);
Fetch data from an EditText and display
                                                 g ipAddress = getIPAddress();
                                                 tv.setText("Your Device IP Address: " +
                                                                                                  btnOK.setOnClickListener(new
package com.example.fetchdata;
import android.os.Bundle;import
                                                                                                  View.OnClickListener() {
                                                 ipAddress);
android.app.Activity;
                                                                                                  @Override
import android.view.Menu;
                                                 public static String getIPAddress() {
                                                                                                  public void onClick(View v) {
import android.view.View;
                                                                                                  LinearLayout mLinearLayout =
import android.widget.Button;
                                                 String ip6=""
                                                                                                  (LinearLavout)
                                                 List<NetworkInterface> interfaces =
                                                                                                  findViewByld(R.id.myLayOut);
import android.widget.EditText;
import android.widget.TextView;
                                                 Collections. list (NetworkInterface. get Ne
                                                                                                  mLinearLayout.setBackgroundResourc
public class MainActivity extends
                                                 tworkInterfaces());
                                                                                                   e(R.drawable.download);
Activity {
                                                 for (NetworkInterface intf : interfaces)
                                                                                                  }); }
Button ok;
EditText edt;
                                                 List<InetAddress> addrs =
TextView tv;
                                                 Collections. list(intf.getInetAddresses());
                                                 for (InetAddress addr : addrs) {
if (!addr.isLoopbackAddress()) {
@Override
                                                                                                  INTENT
protected void onCreate(Bundle
                                                                                                  Mainactivity.java
savedInstanceState) {
                                                 String sAddr = addr.getHostAddress();
                                                                                                  package com.example.intent;
                                                 boolean isIPv4 = sAddr.indexOf(':')<0;
super.onCreate(savedInstanceState);
                                                                                                  import android.os.Bundle;
setContentView(R.layout.activity_main);
                                                 if (isIPv4)
                                                                                                  import android.app.Activity;import
ok = (Button) findViewByld(R.id.button1);
                                                 return sAddr;
                                                                                                  android.content.Intent;
edt = (EditText)
                                                                                                  import android.view.Menu;
                                                 else {
findViewByld(R.id.editText1);
                                                 int delim = sAddr.indexOf('%');
                                                                                                  import android.view.View;
tv = (TextView)
                                                 ip6= delim<0 ? sAddr.toUpperCase() :
                                                                                                  public class MainActivity extends
findViewByld(R.id.textView1);
                                                 sAddr.substring(0,
                                                                                                  Activity {
ok.setOnClickListener(new
View.OnClickListener() {
                                                 delim).toUpperCase();
                                                                                                  @Override
                                                                                                  protected void onCreate(Bundle
                                                                                                  savedInstanceState) {
public void onClick(View v) {
String msg = edt.getText().toString();
tv.setText(msg);
                                                                                                  super.onCreate(savedInstanceState);
                                                                                                  setContentView(R.layout.activity_main);
                                                 return ip6; } catch (Exception ignored)
                                                                                                  public void StartNewActivityClick(View
                                                 {}
});
                                                 return "";
                                                                                                   v){
                                                                                                  Intent intent = new
                                                 @Override
                                                                                                  Intent(this.Second.class):
                                                 public boolean
                                                                                                  startActivity(intent);
                                                 onCreateOptionsMenu(Menu menu) {
Multiplication
package com.example.multiplication;
                                                 getMenuInflater().inflate(R.menu.main,
import android.os.Bundle;
                                                 menu):
                                                                                                  Second.java
                                                                                                  package com.example.intent:
import android.app.Activity;
                                                 return true:
import android.view.Menu;import
                                                                                                  import android.os.Bundle;
android.view.View;
                                                                                                  import android.app.Activity;
import android.widget.Button;
                                                                                                  import android.view.Menu;public class
                                                 Change the Background colour of the
import android.widget.EditText;
import android.widget.TextView;
                                                                                                  Second extends Activity {
                                                                                                  @Override
                                                 Activity
public class MainActivity extends
                                                                                                  protected void onCreate(Bundle
                                                 package
Activity {
                                                 com.example.backgroundcolor;
                                                                                                  savedInstanceState) {
EditText inputNumber;
                                                 import android.os.Bundle;
                                                                                                  super.onCreate(savedInstanceState);
                                                                                                  setContentView(R.layout.activity_secon
Button btnOK;
                                                 import android.app.Activity;
EditText txtResult;
                                                 import android.graphics.Color;
                                                                                                  d);
}
                                                 import android.view.Menu;
protected void onCreate(Bundle
                                                 import android.view.View;
savedInstanceState) {
super.onCreate(savedInstanceState);
                                                 import android.widget.Button;
                                                 public class MainActivity extends
setContentView(R.layout.activity_main);
                                                 Activity {
btnOK = (Button)
                                                 Button btnOK;
findViewByld(R.id.btnOK);
                                                 @Override
                                                 protected void on Create (Bundle
inputNumber = (EditText)
findViewByld(R.id.txtNumkber);
                                                 savedInstanceState) {
txtResult = (EditText)
                                                 super.onCreate(savedInstanceState);
findViewByld(R.id.txtResult);
btnOK.setOnClickListener(new
```

setContentView(R.layout.activity_main);

setActivityBackgroundColor(Color. BLU

findViewByld(R.id.btnChangeColor); btnOK.setOnClickListener(new

btnOK = (Button)

@Override

View.OnClickListener() {

public void onClick(View v) {

View.OnClickListener() {

for(int i=1;i<=10;i++){

public void onClick(View v) {
String value =

inputNumber.getText().toString():

int number = Integer.parseInt(value);

@Override