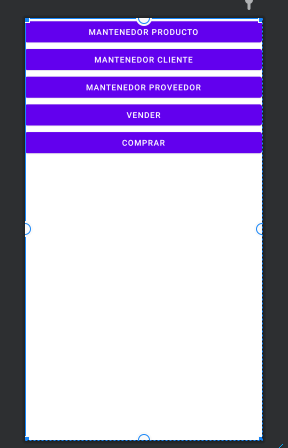
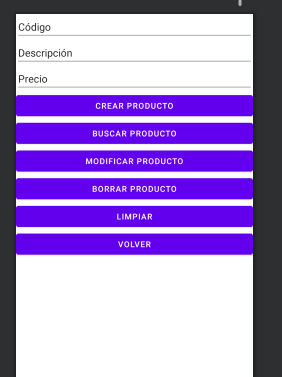
Main



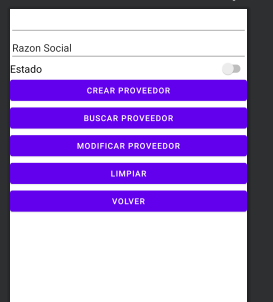
package com.example.userbd;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.Intent;  
import android.os.Bundle;  
import android.view.View;  
  
public class MainActivity2 extends AppCompatActivity {  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main2*);  
 }  
  
 public void MantProd(View v){  
 Intent prod = new Intent(this, MainActivity.class);  
 startActivity(prod);  
 }  
 public void MantProv(View v){  
 Intent prov = new Intent(this, MainActivity3.class);  
 startActivity(prov);  
 }  
 public void MantCli(View v){  
 Intent cli = new Intent(this, Cliente.class);  
 startActivity(cli);  
 }  
 public void Compra(View v){  
 Intent comp = new Intent(this, Compra.class);  
 startActivity(comp);  
 }  
}

mantenedor producto



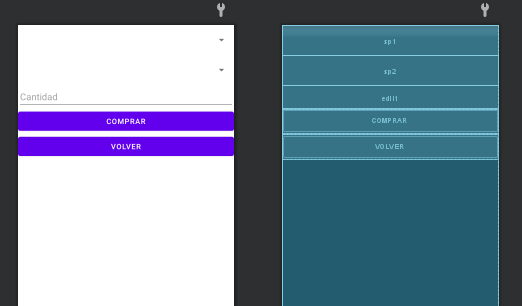
package com.example.userbd;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ContentValues;  
import android.content.Intent;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Toast;  
  
public class MainActivity extends AppCompatActivity {  
 private EditText edcodigo,ednombre,edprecio;  
 private Button be,bm;  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main*);  
 edcodigo=findViewById(R.id.*editCod*);  
 ednombre=findViewById(R.id.*editNom*);  
 edprecio=findViewById(R.id.*editPre*);  
 bm=findViewById(R.id.*button3*);  
 be=findViewById(R.id.*button4*);  
  
 bm.setEnabled(false);  
 be.setEnabled(false);  
 }  
  
 public SQLiteDatabase abreBase(){  
 AdminBD admin= new AdminBD(this,"bd2",null,1);  
 SQLiteDatabase base=admin.getWritableDatabase();  
 return base;  
 }  
  
 public void crearProducto(View v){  
 //AdminBD admin= new AdminBD(this,"Productos",null,1);  
 //SQLiteDatabase base=admin.getWritableDatabase();  
 SQLiteDatabase base=abreBase();  
 String codigo=edcodigo.getText().toString();  
 String desc=ednombre.getText().toString();  
 String precio=edprecio.getText().toString();  
 if (!codigo.isEmpty() && !desc.isEmpty() && !precio.isEmpty()){  
 ContentValues crear=new ContentValues();  
 crear.put("codigo",codigo);  
 crear.put("descrip",desc);  
 crear.put("precio",precio);  
 crear.put("cantidad",0);  
 base.insert("productos",null,crear);  
 base.close();  
 limpiar(v);  
 Toast.*makeText*(this,"Producto creado!!", Toast.*LENGTH\_LONG*).show();  
  
 }else{  
 Toast.*makeText*(this, "Debe ingresar todos los campos", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 public void buscarProducto(View v){  
 //AdminBD admin= new AdminBD(this,"Productos",null,1);  
 //SQLiteDatabase base=admin.getWritableDatabase();  
 SQLiteDatabase base;  
 base=abreBase();  
 String codigo=edcodigo.getText().toString();  
 if (!codigo.isEmpty() ){  
 Cursor rsfila=base.rawQuery("Select descrip, precio from productos where codigo="+codigo,null);  
 if(rsfila.moveToFirst()){  
 ednombre.setText(rsfila.getString(0));  
 edprecio.setText(rsfila.getString(1));  
 bm.setEnabled(true);  
 be.setEnabled(true);  
  
 base.close();  
 }else{  
 Toast.*makeText*(this,"registro no existe", Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 }  
  
 public void ModificarProducto(View v){  
 SQLiteDatabase base=abreBase();  
  
 String codigo=edcodigo.getText().toString();  
 String desc=ednombre.getText().toString();  
 String precio=edprecio.getText().toString();  
 if (!codigo.isEmpty() && !desc.isEmpty() && !precio.isEmpty()){  
 ContentValues modif=new ContentValues();  
 modif.put("codigo",codigo);  
 modif.put("descrip",desc);  
 modif.put("precio",precio);  
 base.update("productos",modif,"codigo="+codigo,null);  
 base.close();  
 limpiar(v);  
 Toast.*makeText*(this,"Producto fue modificado!!", Toast.*LENGTH\_LONG*).show();  
  
 }else{  
 Toast.*makeText*(this, "Debe ingresar todos los campos", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 public void eliminarProducto(View v){  
 //AdminBD admin= new AdminBD(this,"Productos",null,1);  
 //SQLiteDatabase base=admin.getWritableDatabase();  
 SQLiteDatabase base;  
 base=abreBase();  
 String codigo=edcodigo.getText().toString();  
 if (!codigo.isEmpty() ){  
 base.delete("productos","codigo="+codigo,null);  
 base.close();  
 limpiar(v);  
 Toast.*makeText*(this,"registro eliminado", Toast.*LENGTH\_LONG*).show();  
  
  
 }else{  
 Toast.*makeText*(this,"registro no existe", Toast.*LENGTH\_LONG*).show();  
 }  
  
 }  
 public void limpiar(View v){  
 edcodigo.setText("");  
 ednombre.setText("");  
 edprecio.setText("");  
 bm.setEnabled(false);  
 be.setEnabled(false);  
  
 }  
 public void volver(View v){  
 Intent inicio = new Intent(this, MainActivity2.class );  
 startActivity(inicio);  
 }  
  
}

mantenedor proveedor



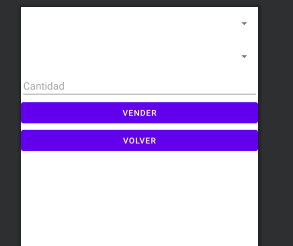
package com.example.userbd;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ContentValues;  
import android.content.Intent;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.Button;  
import android.widget.EditText;  
import android.widget.Switch;  
import android.widget.Toast;  
  
public class MainActivity3 extends AppCompatActivity {  
 private EditText edcodigo, ednombre;  
 private Switch sw1;  
 private Button be, bm;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_main3*);  
 edcodigo = findViewById(R.id.*editIdCli*);  
 ednombre = findViewById(R.id.*editNombre*);  
 sw1 = findViewById(R.id.*swEstado*);  
 bm = findViewById(R.id.*button13*);  
  
  
 bm.setEnabled(false);  
  
 }  
  
 public SQLiteDatabase abreBase() {  
 AdminBD admin = new AdminBD(this, "bd2", null, 1);  
 SQLiteDatabase base = admin.getWritableDatabase();  
 return base;  
 }  
  
 public void crearProveedor(View v) {  
 //AdminBD admin= new AdminBD(this,"Productos",null,1);  
 //SQLiteDatabase base=admin.getWritableDatabase();  
 SQLiteDatabase base = abreBase();  
 String codigo = edcodigo.getText().toString();  
 String desc = ednombre.getText().toString();  
 boolean estado = sw1.isChecked();  
 if (!codigo.isEmpty() && !desc.isEmpty() ) {  
 ContentValues crear = new ContentValues();  
 crear.put("codigo", codigo);  
 crear.put("razonsoc", desc);  
 crear.put("estado", estado);  
 base.insert("proveedor", null, crear);  
 base.close();  
 limpiar(v);  
 Toast.*makeText*(this, "Proveedor creado!!", Toast.*LENGTH\_LONG*).show();  
  
 } else {  
 Toast.*makeText*(this, "Debe ingresar todos los campos", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
 public void buscarProveedor(View v) {  
 //AdminBD admin= new AdminBD(this,"Productos",null,1);  
 //SQLiteDatabase base=admin.getWritableDatabase();  
 SQLiteDatabase base;  
 base = abreBase();  
 String codigo = edcodigo.getText().toString();  
 if (!codigo.isEmpty()) {  
 Cursor rsfila = base.rawQuery("Select razonsoc, estado from proveedor where codigo=" + codigo, null);  
 if (rsfila.moveToFirst()) {  
 ednombre.setText(rsfila.getString(0));  
 //sw1.setChecked(rsfila.getString(1));  
 String aux=rsfila.getString(1);  
 if (aux.equals("1")){  
 sw1.setChecked(true);  
 Toast.*makeText*(this,aux,Toast.*LENGTH\_LONG*).show();  
 }else{  
 sw1.setChecked(false);  
 }  
 bm.setEnabled(true);  
  
 base.close();  
 } else {  
 Toast.*makeText*(this, "registro no existe!!", Toast.*LENGTH\_LONG*).show();  
 limpiar(v);  
 }  
 }  
 }  
  
 public void ModificarProveedor(View v) {  
 SQLiteDatabase base = abreBase();  
  
 String codigo = edcodigo.getText().toString();  
 String desc = ednombre.getText().toString();  
 boolean estado = sw1.isChecked();  
 if (!codigo.isEmpty() && !desc.isEmpty() ) {  
 ContentValues modif = new ContentValues();  
 modif.put("codigo", codigo);  
 modif.put("razonsoc", desc);  
 modif.put("estado", estado);  
 base.update("proveedor", modif, "codigo=" + codigo, null);  
 base.close();  
 limpiar(v);  
 Toast.*makeText*(this, "Proveedor fue modificado!!", Toast.*LENGTH\_LONG*).show();  
  
 } else {  
 Toast.*makeText*(this, "Debe ingresar todos los campos", Toast.*LENGTH\_SHORT*).show();  
 }  
 }  
  
  
  
 public void limpiar(View v) {  
 edcodigo.setText("");  
 ednombre.setText("");  
 bm.setEnabled(false);  
  
  
 }  
 public void volver(View v){  
 Intent inicio = new Intent(this, MainActivity2.class );  
 startActivity(inicio);  
 }  
}

comprar



package com.example.userbd;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ContentValues;  
import android.content.Intent;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
  
import android.view.View;  
import android.widget.AdapterView;  
import android.widget.ArrayAdapter;  
  
import android.widget.EditText;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
import java.util.ArrayList;  
import java.util.List;  
  
public class Compra extends AppCompatActivity {  
 private Spinner sp,spp;  
 private EditText ed1;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_compra*);  
 sp=findViewById(R.id.*sp1*);  
 spp=findViewById(R.id.*sp2*);  
 ed1=findViewById(R.id.*edit1*);  
// llenarSpinners();  
  
// Spinner Drop down elements  
 List<String> prov = llenarSpinners2();  
 List<String> prod = llenarSpinnersProd();  
  
//Toast.makeText(this,prov.size(),Toast.LENGTH\_LONG).show();  
 // Creating adapter for spinner  
 ArrayAdapter<String> dataAdapter = new ArrayAdapter<String>(this, android.R.layout.*simple\_spinner\_item*, prov);  
 // Drop down layout style - list view with radio button  
 dataAdapter.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 // dataAdapter.setDropDownViewResource(android.R.layout.simple\_spinner\_item);  
 // attaching data adapter to spinner  
 sp.setAdapter(dataAdapter);  
  
 ArrayAdapter<String> dataAdapter2 = new ArrayAdapter<String>(this, android.R.layout.*simple\_spinner\_item*, prod);  
 dataAdapter2.setDropDownViewResource(android.R.layout.*simple\_spinner\_dropdown\_item*);  
 spp.setAdapter(dataAdapter2);  
  
 }  
  
/\*  
 private void llenarSpinners() {  
 ArrayList<Proveedor> list = new ArrayList<>();  
 list.add(new Proveedor(0,"Seleccionar..."));  
 SQLiteDatabase base = abreBase();  
  
 final Cursor c = base.rawQuery("SELECT codigo, razonsoc FROM proveedor where estado=true",null);  
Toast.makeText(this,c.getCount(),Toast.LENGTH\_LONG).show();  
 while (c.moveToNext()){  
 list.add(new Proveedor(c.getInt(0),c.getString(1)));  
 }  
  
 ArrayAdapter<Proveedor> adapter =  
 new ArrayAdapter<Proveedor>(this, R.layout.activity\_compra, list);  
 adapter.setDropDownViewResource(R.layout.activity\_compra);  
 sp.setAdapter(adapter);  
 sp.setOnItemSelectedListener(  
 new AdapterView.OnItemSelectedListener() {  
 public void onItemSelected(AdapterView<?> parent, View view, int pos, long id) {  
 if ((pos!=0) && (id!=0)) {  
 Object item = parent.getItemAtPosition(pos);  
 int idSeleccionado = ((Proveedor) item).getId();  
 String nombre = ((Proveedor) item).getNombre();  
 Toast.makeText(getBaseContext(), nombre, Toast.LENGTH\_SHORT).show();  
 }  
 }  
 public void onNothingSelected(AdapterView<?> parent) {  
 }  
 });  
 c.close();  
 base.close();  
 }  
\*/  
  
  
 private List<String> llenarSpinners2() {  
 List<String> prov = new ArrayList<String>();  
 SQLiteDatabase base = abreBase();  
  
 final Cursor c = base.rawQuery("SELECT codigo, razonsoc FROM proveedor where estado=true",null);  
 //Toast.makeText(this,c.getCount(),Toast.LENGTH\_LONG).show();  
 if (c.moveToFirst()) {  
 do {  
 prov.add(c.getInt(0)+":"+c.getString(1));  
 } while (c.moveToNext());  
 }  
  
 // closing connection  
 c.close();  
 base.close();  
  
 // returning lables  
 return prov;  
 }  
  
  
 private List<String> llenarSpinnersProd() {  
 List<String> prod = new ArrayList<String>();  
 SQLiteDatabase base = abreBase();  
  
 final Cursor c = base.rawQuery("SELECT codigo, descrip FROM productos ",null);  
 //Toast.makeText(this,c.getCount(),Toast.LENGTH\_LONG).show();  
 if (c.moveToFirst()) {  
 do {  
 prod.add(c.getInt(0)+":"+c.getString(1));  
 } while (c.moveToNext());  
 }  
  
 // closing connection  
 c.close();  
 base.close();  
  
 // returning lables  
 return prod;  
 }  
  
 public void btncomprar(View v) {  
 int cantactual=0;  
 int cantnueva=0;  
 SQLiteDatabase base = abreBase();  
  
 String cantidad = ed1.getText().toString();  
 String prod[] = spp.getSelectedItem().toString().split(":");  
 String prov[] = sp.getSelectedItem().toString().split(":");  
  
 if (!prov[0].isEmpty() && !prod[0].isEmpty() && !cantidad.isEmpty()) {  
 ContentValues modif = new ContentValues();  
  
 //codigo int primary key, stock int,tipo varchar, entidad int  
 modif.put("codigo", prod[0]);  
 modif.put("stock", cantidad);  
 modif.put("tipo", "E");  
 modif.put("entidad", prov[0]);  
 base.insert("inventario", null, modif);  
 actstock(prod[0],Integer.*parseInt*(cantidad));  
 /\*  
  
 //Toast.makeText(this,"entrar al cursor",Toast.LENGTH\_LONG).show();  
 Cursor rs=base.rawQuery("Select cantidad,codigo from productos where codigo="+prod[0],null);  
 //Toast.makeText(this,"salio del cursor",Toast.LENGTH\_LONG).show();  
 //Toast.makeText(this,"Select cantidad,codigo from productos where codigo="+prod[0],Toast.LENGTH\_LONG).show();  
 // if(rsfila.moveToFirst()){  
 // Toast.makeText(this,"entra al if",Toast.LENGTH\_LONG).show();  
 Toast.makeText(this, rs.getInt(rs.getColumnIndex("cantidad")),Toast.LENGTH\_LONG).show();  
 cantactual = rs.getInt(rs.getColumnIndex("cantidad"));  
  
 //}  
 Toast.makeText(this,cantactual,Toast.LENGTH\_LONG).show();  
 /\*  
 cantnueva = cantactual + cantnueva;  
 Toast.makeText(this,cantnueva,Toast.LENGTH\_LONG).show();  
 modif2.put("cantidad", cantnueva);  
 base.update("productos", modif2, "codigo=" + prod[0], null);  
  
  
 rs.close();  
\*/  
  
 }  
 base.close();  
 limpiar();  
  
 }  
  
 public int cantidad(String art){  
 int cantactual=0;  
 SQLiteDatabase base = abreBase();  
  
 Cursor rs=base.rawQuery("Select cantidad,codigo from productos where codigo="+art,null);  
 if(rs.moveToFirst()){  
 cantactual = rs.getInt(rs.getColumnIndex("cantidad"));  
 }  
 rs.close();  
 return cantactual;  
 }  
 public void actstock(String art,int nueva){  
 int cantactual=0;  
 int cantnueva=0;  
 SQLiteDatabase base = abreBase();  
 ContentValues modif = new ContentValues();  
 cantactual=cantidad(art);  
 cantnueva = cantactual + nueva;  
 modif.put("cantidad", cantnueva);  
 base.update("productos", modif, "codigo="+art, null);  
  
 base.close();  
 }  
  
  
 public void limpiar(){  
 sp.clearFocus();  
 spp.clearFocus();  
 ed1.setText("");  
 }  
  
  
  
 public SQLiteDatabase abreBase(){  
 AdminBD admin = new AdminBD(this, "bd2", null, 1);  
 SQLiteDatabase base = admin.getWritableDatabase();  
 return base;  
 }  
  
 public void volver(View v){  
 Intent inicio = new Intent(this, MainActivity2.class );  
 startActivity(inicio);  
 }  
}

vender



package com.example.userbd;  
  
import androidx.appcompat.app.AppCompatActivity;  
  
import android.content.ContentValues;  
import android.content.Intent;  
import android.database.Cursor;  
import android.database.sqlite.SQLiteDatabase;  
import android.os.Bundle;  
import android.view.View;  
import android.widget.ArrayAdapter;  
import android.widget.EditText;  
import android.widget.Spinner;  
import android.widget.Toast;  
  
import java.lang.reflect.Array;  
import java.util.ArrayList;  
  
public class Venta extends AppCompatActivity {  
 private Spinner prod,cli;  
 private EditText ed1;  
 ArrayList<String> listaProductos;  
 ArrayList<Producto> productosList;  
  
 ArrayList<String> listaClientes;  
 ArrayList<ObjCliente> clientesList;  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.*activity\_venta*);  
  
 prod=findViewById(R.id.*sp2*);  
 cli=findViewById(R.id.*sp1*);  
 ed1=findViewById(R.id.*edit1*);  
 consultarListaProductos();  
 ArrayAdapter<String> adaptador=new ArrayAdapter<>(this, android.R.layout.*simple\_spinner\_item*,listaProductos);  
  
 prod.setAdapter(adaptador);  
 consultarListaClientes();  
 ArrayAdapter<String> adaptador2=new ArrayAdapter<>(this, android.R.layout.*simple\_spinner\_item*,listaClientes);  
  
 cli.setAdapter(adaptador2);  
 }  
  
  
public void consultarListaProductos(){  
 abreBase();  
 //Producto p1=new Producto();  
 Producto p1=null;  
 productosList= new ArrayList<Producto>();  
 Cursor rs= abreBase().rawQuery("select codigo,descrip,precio,cantidad from productos ",null);  
 while(rs.moveToNext()){  
 p1=new Producto();  
 p1.setId(rs.getInt(0));  
 p1.setDescrip(rs.getString(1));  
 p1.setPrecio(rs.getInt(2));  
 p1.setCantidad(rs.getInt(3));  
 productosList.add(p1);  
 }  
 obtenerProductos();  
  
}  
  
public void obtenerProductos(){  
 listaProductos=new ArrayList<String>();  
 for(int i=0;i<productosList.size();i++){  
 listaProductos.add(productosList.get(i).getId()+":"+productosList.get(i).getDescrip());  
 }  
  
}  
 public void obtenerClientes(){  
 listaClientes=new ArrayList<String>();  
 for(int i=0;i<clientesList.size();i++){  
 listaClientes.add(clientesList.get(i).getId()+":"+clientesList.get(i).getNombre());  
 }  
  
 }  
  
  
public void consultarListaClientes(){  
 abreBase();  
 //ObjCliente c1=new ObjCliente();  
 ObjCliente c1=null;  
 clientesList= new ArrayList<ObjCliente>();  
 Cursor rs= abreBase().rawQuery("select codigo,nombre,estado from cliente where estado=true",null);  
 while(rs.moveToNext()){  
 c1=new ObjCliente();  
 c1.setId(rs.getInt(0));  
 c1.setNombre(rs.getString(1));  
 c1.setEstado(true);  
 clientesList.add(c1);  
 }  
 obtenerClientes();  
}  
  
  
  
  
  
 public void limpiar(){  
 prod.clearFocus();  
 cli.clearFocus();  
 ed1.setText("");  
 }  
  
  
  
 public SQLiteDatabase abreBase(){  
 AdminBD admin = new AdminBD(this, "bd2", null, 1);  
 SQLiteDatabase base = admin.getWritableDatabase();  
 return base;  
 }  
  
 public void volver(View v){  
 Intent inicio = new Intent(this, MainActivity2.class );  
 startActivity(inicio);  
 }  
  
  
  
  
 public void btnvender(View v) {  
 int cantactual=0;  
 int cantnueva=0;  
 SQLiteDatabase base = abreBase();  
  
 String cantidad = ed1.getText().toString();  
 String arrprod[] = prod.getSelectedItem().toString().split(":");  
 String arrcli[] = cli.getSelectedItem().toString().split(":");  
  
 if (!arrcli[0].isEmpty() && !arrprod[0].isEmpty() && !cantidad.isEmpty()) {  
 if(cantidad(arrprod[0])>=Integer.*parseInt*(cantidad)) {  
 ContentValues modif = new ContentValues();  
  
 //codigo int primary key, stock int,tipo varchar, entidad int  
 modif.put("codigo", arrprod[0]);  
 modif.put("stock", cantidad);  
 modif.put("tipo", "S");  
 modif.put("entidad", arrcli[0]);  
 base.insert("inventario", null, modif);  
 actstock(arrprod[0], Integer.*parseInt*(cantidad));  
 limpiar();  
  
 }else{  
 Toast.*makeText*(this,"El stock disponible es inferior a la cantidad solicitada",Toast.*LENGTH\_LONG*).show();  
 }  
 }  
 base.close();  
  
 }  
  
 public int cantidad(String art){  
 int cantactual=0;  
 SQLiteDatabase base = abreBase();  
  
 Cursor rs=base.rawQuery("Select cantidad,codigo from productos where codigo="+art,null);  
 if(rs.moveToFirst()){  
 cantactual = rs.getInt(rs.getColumnIndex("cantidad"));  
 }  
 rs.close();  
 return cantactual;  
 }  
 public void actstock(String art,int nueva){  
 int cantactual=0;  
 int cantnueva=0;  
 SQLiteDatabase base = abreBase();  
 ContentValues modif = new ContentValues();  
 cantactual=cantidad(art);  
 cantnueva = cantactual - nueva;  
 modif.put("cantidad", cantnueva);  
 base.update("productos", modif, "codigo="+art, null);  
  
 base.close();  
 }  
  
  
  
  
}