**Mobile Application Development**

* **Practical 10: Library Management App**

**CODE:**

**Andriod\_manifest.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**manifest xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:tools="http://schemas.android.com/tools"  
 package="com.example.library\_managment"**>  
  
 <**application  
 android:allowBackup="true"  
 android:icon="@drawable/download"  
 android:label="@string/app\_name"  
 android:roundIcon="@drawable/download"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.LibraryManagment"**>  
 <**activity android:name=".insertActivity"**></**activity**>  
 <**activity android:name=".displayActivity"** />  
 <**activity android:name=".deleteActivity"** />  
 <**activity android:name=".updateActivity"** />  
  
 <**activity android:name=".MainActivity"  
  
 android:exported="true"**>  
 <**intent-filter**>  
 <**action android:name="android.intent.action.MAIN"** />  
  
 <**category android:name="android.intent.category.LAUNCHER"** />  
 </**intent-filter**>  
 </**activity**>  
 </**application**>  
  
</**manifest**>

**Activity\_main.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".MainActivity"**>  
  
 <**TextView  
 android:id="@+id/textView"  
 android:layout\_width="395dp"  
 android:layout\_height="68dp"  
 android:fontFamily="cursive"  
 android:gravity="center"  
 android:text="Welcome in Library management system"  
 android:textColor="@color/design\_default\_color\_secondary\_variant"  
 android:textSize="20sp"  
 app:layout\_constraintBottom\_toBottomOf="parent"  
 app:layout\_constraintEnd\_toEndOf="parent"  
 app:layout\_constraintStart\_toStartOf="parent"  
 app:layout\_constraintTop\_toTopOf="parent"  
 app:layout\_constraintVertical\_bias="0.099"** />  
  
 <**ImageView  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:src="@drawable/download"**/>  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Activity\_insert.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 android:orientation="vertical"  
 tools:context=".insertActivity"**>  
  
 <**EditText  
 android:id="@+id/bid"  
 android:layout\_width="307dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginTop="30sp"  
 android:ems="10"  
 android:hint="Book id"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/bname"  
 android:layout\_width="309dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Book Name"  
 android:layout\_marginLeft="40sp"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/author"  
 android:layout\_width="311dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:layout\_marginLeft="40sp"  
 android:hint="Author Name"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/pyear"  
 android:layout\_width="311dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:layout\_marginLeft="40sp"  
 android:hint="Publication Year"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/phouse"  
 android:layout\_width="312dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:layout\_marginLeft="40sp"  
 android:ems="10"  
 android:hint="Publishing House"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/dept"  
 android:layout\_width="315dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:layout\_marginLeft="40sp"  
 android:ems="10"  
 android:hint="Department"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/isbn"  
 android:layout\_width="315dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:layout\_marginLeft="40sp"  
 android:hint="Book ISBN Number"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/copies"  
 android:layout\_width="317dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:layout\_marginLeft="40sp"  
 android:ems="10"  
 android:hint="Number of Copies"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**Button  
 android:id="@+id/insertbtn"  
 android:layout\_width="320dp"  
 android:layout\_marginLeft="40sp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginBottom="10sp"  
 android:text="Insert"  
 android:textSize="20sp"  
 android:backgroundTint="@color/teal\_200"**/>  
</**LinearLayout**>

**Activity\_update.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".updateActivity"  
 android:orientation="vertical"**>  
  
 <**EditText  
 android:id="@+id/bid2"  
 android:layout\_width="258dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Book id"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/bname2"  
 android:layout\_width="259dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Book Name"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/author2"  
 android:layout\_width="258dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Author Name"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/pyear2"  
 android:layout\_width="262dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Publication Year"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/phouse2"  
 android:layout\_width="265dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Publishing House"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/dept2"  
 android:layout\_width="271dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Department"  
 android:inputType="textPersonName"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/isbn2"  
 android:layout\_width="271dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Book ISBN Number"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**EditText  
 android:id="@+id/copies2"  
 android:layout\_width="271dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:ems="10"  
 android:hint="Number of Copies"  
 android:inputType="number"  
 android:textSize="20sp"** />  
  
 <**Button  
 android:id="@+id/updatebtn"  
 android:layout\_width="272dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginBottom="10sp"  
 android:backgroundTint="@color/teal\_200"  
 android:text="Update"  
 android:textSize="20sp"** />  
</**LinearLayout**>

**Activity\_delet.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
  
 android:orientation="vertical"  
 tools:context=".deleteActivity"**>  
  
 <**EditText  
 android:id="@+id/Bid"  
 android:layout\_width="309dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginTop="50sp"  
 android:ems="10"  
 android:hint="Enter the Book Id"  
 android:inputType="number"  
 android:textSize="20sp"  
 tools:layout\_editor\_absoluteX="47dp"  
 tools:layout\_editor\_absoluteY="110dp"** />  
  
 <**Button  
 android:id="@+id/deletebtn"  
 android:layout\_width="310dp"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginLeft="40sp"  
 android:layout\_marginTop="100sp"  
 android:backgroundTint="@color/teal\_200"  
 android:text="Delete"  
 android:textSize="20sp"** />  
</**LinearLayout**>

**Activity\_dispaly.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**androidx.constraintlayout.widget.ConstraintLayout  
 xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"  
 xmlns:tools="http://schemas.android.com/tools"  
 android:layout\_width="match\_parent"  
 android:layout\_height="match\_parent"  
 tools:context=".displayActivity"** >  
</**androidx.constraintlayout.widget.ConstraintLayout**>

**Menu/menu.xml**

*<?***xml version="1.0" encoding="utf-8"***?>*<**menu xmlns:android="http://schemas.android.com/apk/res/android"  
 xmlns:app="http://schemas.android.com/apk/res-auto"**>  
 <**item app:showAsAction="never"  
 android:id="@+id/insert"  
 android:title="Insert Data"**></**item**>  
 <**item app:showAsAction="never"  
 android:id="@+id/Upadate"  
 android:title="Update Data"**></**item**>  
 <**item app:showAsAction="never"  
 android:id="@+id/delete"  
 android:title="Delete Data"**></**item**>  
 <**item app:showAsAction="never"  
 android:id="@+id/display"  
 android:title="Display Data"**></**item**>  
</**menu**>

**MainActivity.java**

**package** com.example.library\_managment;  
**import** androidx.annotation.NonNull;  
**import** androidx.appcompat.app.AppCompatActivity;  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.Menu;  
**import** android.view.MenuInflater;  
**import** android.view.MenuItem;  
**public class** MainActivity **extends** AppCompatActivity {  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_main***);  
 }  
 @Override  
 **public boolean** onOptionsItemSelected(@NonNull MenuItem item) {  
 **switch** (item.getItemId()){  
 **case** R.id.***insert***:  
 Intent intent=**new** Intent(MainActivity.**this**,insertActivity.**class**);  
 startActivity(intent);  
 **break**;  
 **case** R.id.***Upadate***:  
 Intent intent1=**new** Intent(MainActivity.**this**,updateActivity.**class**);  
 startActivity(intent1);  
 **break**;  
 **case** R.id.***delete***:  
 Intent intent2=**new** Intent(MainActivity.**this**,deleteActivity.**class**);  
 startActivity(intent2);  
 **break**;  
 **case** R.id.***display***:  
 Intent intent3 = **new** Intent(MainActivity.**this**,displayActivity.**class**);  
 startActivity(intent3);  
 **break**;  
 }  
 **return super**.onOptionsItemSelected(item);  
 }  
 @Override  
 **public boolean** onCreateOptionsMenu(Menu menu) {  
 MenuInflater inflater=getMenuInflater();  
 inflater.inflate(R.menu.***menu***, menu);  
 **return true**;  
 }  
}

**inserActivity.java**

**package** com.example.library\_managment;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** insertActivity **extends** AppCompatActivity {  
 EditText **bid**,**bname**,**author**,**pyear**,**phouse**,**dept**,**isbn**,**copies**;  
 Button **insert**;  
 DBHelper **DB**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_insert***);  
  
 **bid**=findViewById(R.id.***bid***);  
 **bname**=findViewById(R.id.***bname***);  
 **author**=findViewById(R.id.***author***);  
 **pyear**=findViewById(R.id.***pyear***);  
 **phouse**=findViewById(R.id.***phouse***);  
 **dept**=findViewById(R.id.***dept***);  
 **isbn**=findViewById(R.id.***isbn***);  
 **copies**=findViewById(R.id.***copies***);  
 **insert**=findViewById(R.id.***insertbtn***);  
 **DB**=**new** DBHelper(insertActivity.**this**);  
 **insert**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String Bookid=**bid**.getText().toString();  
 String BName=**bname**.getText().toString();  
 String Author=**author**.getText().toString();  
 String Pyear=**pyear**.getText().toString();  
 String Phouse=**phouse**.getText().toString();  
 String Dept=**dept**.getText().toString();  
 String ISBN=**isbn**.getText().toString();  
 String Copies=**copies**.getText().toString();  
  
 Boolean checkinsertdata = **DB**.insertdata(Bookid,BName,Author,Pyear,Phouse,Dept,ISBN,Copies);  
 **if**(checkinsertdata==**true**){  
 Toast.*makeText*(insertActivity.**this**,**"New Data Inserted"**,Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 Toast.*makeText*(insertActivity.**this**,**"New Data Not Inserted"**,Toast.***LENGTH\_LONG***).show();  
 }  
 Intent intent=**new** Intent(insertActivity.**this**,MainActivity.**class**);  
 startActivity(intent);  
 }  
 });  
 }  
}

**updateActivity.java**

**package** com.example.library\_managment;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** updateActivity **extends** AppCompatActivity {  
  
 EditText **bid**,**bname**,**author**,**pyear**,**phouse**,**dept**,**isbn**,**copies**;  
 Button **update**;  
 DBHelper **DB**;  
  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_update***);  
  
 **bid**=findViewById(R.id.***bid2***);  
 **bname**=findViewById(R.id.***bname2***);  
 **author**=findViewById(R.id.***author2***);  
 **pyear**=findViewById(R.id.***pyear2***);  
 **phouse**=findViewById(R.id.***phouse2***);  
 **dept**=findViewById(R.id.***dept2***);  
 **isbn**=findViewById(R.id.***isbn2***);  
 **copies**=findViewById(R.id.***copies2***);  
 **update**=findViewById(R.id.***updatebtn***);  
 **DB**=**new** DBHelper(updateActivity.**this**);  
  
 **update**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String Bookid=**bid**.getText().toString();  
 String BName=**bname**.getText().toString();  
 String Author=**author**.getText().toString();  
 String Pyear=**pyear**.getText().toString();  
 String Phouse=**phouse**.getText().toString();  
 String Dept=**dept**.getText().toString();  
 String ISBN=**isbn**.getText().toString();  
 String Copies=**copies**.getText().toString();  
  
 Boolean checkupdatedata=**DB**.updatedata(Bookid,BName,Author,Pyear,Phouse,Dept,ISBN,Copies);  
 **if**(checkupdatedata==**true**){  
 Toast.*makeText*(updateActivity.**this**,**"Data Updated"**,Toast.***LENGTH\_LONG***).show();  
 }  
 **else** {  
 Toast.*makeText*(updateActivity.**this**,**" Data Not Exists"**,Toast.***LENGTH\_LONG***).show();  
 }  
 Intent intent=**new** Intent(updateActivity.**this**,MainActivity.**class**);  
 startActivity(intent);  
 }  
 });  
 }  
}

**deleteActivity.java**

**package** com.example.library\_managment;  
  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.Intent;  
**import** android.os.Bundle;  
**import** android.view.View;  
**import** android.widget.Button;  
**import** android.widget.EditText;  
**import** android.widget.Toast;  
  
**public class** deleteActivity **extends** AppCompatActivity {  
  
 EditText Bid;  
 Button delete;  
 DBHelper DB;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_delet\_acivity);  
 Bid=findViewById(R.id.Bid);  
 delete=findViewById(R.id.deletebtn);  
 **DB**=**new** DBHelper(**this**);  
  
 **delete**.setOnClickListener(**new** View.OnClickListener() {  
 @Override  
 **public void** onClick(View v) {  
 String bid = **Bid**.getText().toString();  
 Boolean deleteData = **DB**.deletedata(bid);  
 **if** (deleteData == **true**) {  
 Toast.*makeText*(deleteActivity.**this**, **"Data Deleted Successfully"**, Toast.***LENGTH\_LONG***).show();  
 } **else** {  
 Toast.*makeText*(deleteActivity.**this**, **"Data Deleted failed"**, Toast.***LENGTH\_LONG***).show();  
  
  
 Intent intent = **new** Intent(deleteActivity.**this**, MainActivity.**class**);  
 startActivity(intent);  
 }  
 }  
 });  
 }  
}

**displayActivity.java**

**package** com.example.library\_managment;  
  
**import** androidx.appcompat.app.AlertDialog;  
**import** androidx.appcompat.app.AppCompatActivity;  
  
**import** android.content.DialogInterface;  
**import** android.content.Intent;  
**import** android.database.Cursor;  
**import** android.os.Bundle;  
**import** android.widget.Toast;  
  
**public class** displayActivity **extends** AppCompatActivity {  
  
 DBHelper **DB**;  
  
 @Override  
 **protected void** onCreate(Bundle savedInstanceState) {  
 **super**.onCreate(savedInstanceState);  
 setContentView(R.layout.***activity\_display***);  
  
 **DB** = **new** DBHelper(**this**);  
 Cursor res = **DB**.displaydata();  
  
 **if** (res.getCount() == 0) {  
 Toast.*makeText*(displayActivity.**this**, **"No Entry Exists"**, Toast.***LENGTH\_LONG***).show();  
 **return**;  
 }  
 StringBuffer buffer = **new** StringBuffer();  
 **while** (res.moveToNext()) {  
 buffer.append(**"Book Id : "** + res.getString(0) + **"\n\n"**);  
 buffer.append(**"Book Name : "** + res.getString(1) + **"\n\n"**);  
 buffer.append(**"AuthorName : "** + res.getString(2) + **"\n\n"**);  
 buffer.append(**"publicationY : "** + res.getString(3) + **"\n\n"**);  
 buffer.append(**"publishingH : "** + res.getString(4) + **"\n\n"**);  
 buffer.append(**"Department : "** + res.getString(5) + **"\n\n"**);  
 buffer.append(**"ISBN : "** + res.getString(6) + **"\n\n"**);  
 buffer.append(**"Copies : "** + res.getString(7) + **"\n\n"**);  
 buffer.append(**"--------------------- "** +**"\n\n"**);  
  
 }  
 AlertDialog.Builder builder = **new** AlertDialog.Builder(displayActivity.**this**);  
 builder.setCancelable(**true**);  
 builder.setTitle(**"Book Info. \n \n"**);  
  
 builder.setMessage(buffer.toString());  
 builder.setPositiveButton(**"Ok"**, **new** DialogInterface.OnClickListener() {  
 @Override  
 **public void** onClick(DialogInterface dialog, **int** which) {  
 Intent intent = **new** Intent(displayActivity.**this**, MainActivity.**class**);  
 startActivity(intent);  
 }  
 });  
 builder.show();  
 }  
}

**DBHelper.java**

**package** com.example.library\_managment;  
  
**import** android.content.ContentValues;  
**import** android.content.Context;  
**import** android.database.Cursor;  
**import** android.database.sqlite.SQLiteDatabase;  
**import** android.database.sqlite.SQLiteOpenHelper;  
**import** androidx.annotation.Nullable;  
**import** org.w3c.dom.Text;  
**public class** DBHelper **extends** SQLiteOpenHelper {  
 **public** DBHelper(Context context) {  
 **super**(context, **"Book.db"**, **null**, 1);  
 }  
  
 @Override  
 **public void** onCreate(SQLiteDatabase db) {  
 db.execSQL(**"create Table Bookdetails(Bid Text primary key,Bname Text,AuthorName Text,publicationY Text,publishingH Text,Department Text,ISBN Text,copies Text)"**);  
 }  
  
 @Override  
 **public void** onUpgrade(SQLiteDatabase db, **int** oldVersion, **int** newVersion) {  
 db.execSQL(**"Drop Table if exists Bookdetails"**);  
 }  
  
 **public** Boolean insertdata(String Bid, String Bname, String  
 AuthorName, String publicationY, String publishingH, String Department, String ISBN, String copies) {  
 SQLiteDatabase DB = **this**.getWritableDatabase();  
 ContentValues contentValues = **new** ContentValues();  
 contentValues.put(**"Bid"**, Bid);  
 contentValues.put(**"Bname"**, Bname);  
 contentValues.put(**"AuthorName"**, AuthorName);  
 contentValues.put(**"publicationY"**, publicationY);  
 contentValues.put(**"publishingH"**, publishingH);  
 contentValues.put(**"Department"**, Department);  
 contentValues.put(**"ISBN"**, ISBN);  
 contentValues.put(**"copies"**, copies);  
 **long** result = DB.insert(**"Bookdetails"**, **null**, contentValues);  
 **if** (result == -1) {  
 **return false**;  
 } **else** {  
 **return true**;  
 }  
 }  
  
 **public** Boolean updatedata(String Bid, String Bname, String  
 AuthorName, String publicationY, String publishingH, String Department, String  
 ISBN, String copies) {  
 SQLiteDatabase DB = **this**.getWritableDatabase();  
 ContentValues contentValues = **new** ContentValues();  
 contentValues.put(**"Bid"**, Bid);  
 contentValues.put(**"Bname"**, Bname);  
 contentValues.put(**"AuthorName"**, AuthorName);  
 contentValues.put(**"publicationY"**, publicationY);  
 contentValues.put(**"publishingH"**, publishingH);  
 contentValues.put(**"Department"**, Department);  
 contentValues.put(**"ISBN"**, ISBN);  
 contentValues.put(**"copies"**, copies);  
 Cursor cursor = DB.rawQuery(**"Select \* from Bookdetails where Bid=?"**, **new** String[]{String.*valueOf*(Bid)});  
 **if** (cursor.getCount() > 0) {  
 **long** result = DB.update(**"Bookdetails"**, contentValues, **"Bid=?"**,  
 **new** String[]{String.*valueOf*(Bid)});  
 **if** (result == -1) {  
 **return false**;  
 } **else** {  
 **return true**;  
 }  
 } **else** {  
 **return false**;  
 }  
 }  
  
 **public** Boolean deletedata(String Bid) {  
 SQLiteDatabase DB = **this**.getWritableDatabase();  
 Cursor cursor = DB.rawQuery(**"Select \* from Bookdetails where Bid=?"**, **new** String[]{String.*valueOf*(Bid)});  
 **if** (cursor.getCount() > 0) {  
 **long** result = DB.delete(**"Bookdetails"**, **"Bid=?"**, **new** String[]{String.*valueOf*(Bid)});  
 **if** (result == -1) {  
 **return false**;  
 } **else** {  
 **return true**;  
 }  
 } **else** {  
 **return false**;  
 }  
 }  
  
 **public** Cursor displaydata() {  
 SQLiteDatabase DB = **this**.getWritableDatabase();  
 Cursor cursor = DB.rawQuery(**"Select \* from Bookdetails "**, **null**);  
 **return** cursor;  
 }  
}

**Output**

 

  

 