Experiment-5

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Aim:- To develop an and soid application that stores student
Details into the hosting server.
 Db Handle & . java
 package com. tutlane. sqlite example;
 impost and soid content. Content Values;
 impost and soid . content . Context;
 import and soid database Cursor;
 impost and soid. database. sqlite. SqLite Database;
 impost and soid. detabase. sqlite. sqlite OpenHelpes;
 import java util. Assay List;
  impost java. util. Hash Map;
 public class DbHandles extends saliteOpenHelper
      private static final int DB_VERSION = 1;
      private static final String DB_NAME = "usersdb".
       private static final String TABLE_Users = "userdetails";
       private static final string KEY_ID = "id";
        private static final string KEY_NAME = "name";
        private static final string KEY_ROLL = "roll number";
        private static final string KEY_BRAN = "branch";
        public DbHandle's (Context context)
             super (context, DB_NAME, null, DB_VESION);
         @ overvide
         public void on Create (Sq Lite Database db)
            String CREATE_TABLE = "CREATE TABLE" + TABLE_Users + "("
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+KEY_ID+ "INTEGER PRIMARY KEY AUTOINCREMENT, "+
                                             KEY_NAME+"TEXT
   + KEY_LOC + "TEXT,"
    + KEY_DESG + "TEXT" + ")";
   ab. execsaL(CRATE_TABLE).
@ Overside
public void on Upgrade (SQLite Database db, int old Version,
                                               int new Version)
   db.execsQL ("DROP TABLE IF EXISTS"+TABLE_Users)
    on (reate (db);
 void insext User Details (string name, string roll number, String branch)
    SQ LiteDatabase db = this.getWriteableDatabase();
    Content Values = new content Values (); c Values. put
                                             (KEY-NAME, name)
    c Values. put (KEY_ROLL, voll number);
     c Values. put (KEY_BRAN, branch);
     long new ROW Id = db. insext (TABLE_Usexs, null, c Values);
    ab. close ():
 public ArrayList < HashMap<String, string>>GetUsers()
   SQLite Database db = this.get Writeable Database ().
    AssayList < HashMap < string >> Use & List = new AssayList < > ();
   string query = "SELECT name, roll number, branch FROM" + TABLE-Users;
    cursor cusor = db. randuery (query, null).
     while (cusox.move To Next ())
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the state of the s
Hash Map <string, string=""> Use 8 = new Hash Map<>(); Use 8. put ("name", cursor.get String (cursor.get Column Index</string,>
usex.put("name", cursor.getstring(cursor.getColumn Index
(KEY_NAME)));
uses, put ("branch", cursor, get string (cursor, get Column Index
(KEY_BRAN//);
usex.put("voll numbex", cuxsox.getStxing(cuxsox.getColumnIndex
(KEY_ROLL));
usexList. add (usex);
i,
usexList.add(usex); ż xeturn usexList;
}
public ArrayList <hashmap<string, string="">>GetUserByUserId(int userid)</hashmap<string,>
SQLite Database db = this. get Writeable Database ();
1 L 11 (NA CL./5/ STYING >> 1/5 X -13 U = 1/(4) 1/0 304 -13 U = 1/
· · · · · · · · · · · · · · · · · · ·
1/2 / 1/4 and YU/ 1/4BCE _ USED , NEW DOWNEY DE
DD ANG KEY TD+ "= " new scorner of scorner water
non, none
if (cursor.moveToNext())
17 (20 33
Hash Map < String, String > Usex = new HashMap < > (/;
HashMap < String, String > User = new HashMap < > (); HashMap < String, String > User = new HashMap < > (); User.put ("name", cursor.getstring(cursor.getColumnIndex(KEY_NAME)));
Usex. put ("name", cussos. getstring (cussos, get Column Index (KEY_BRAN))); Usex. put ("branch", cussos. get String (cussos, get Column Index (KEY_BRAN)));
usex. put ("branch", cursor.getstring (cursor.get6)umn Index(KEY-ROLL))). usex.put ("roll number", cursor.get5tring (cursor.get6)umn Index(KEY-ROLL))).
usex List. add (usex);
7.
return userList;
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public void DeleteUses (int usexid)
(In userid)
SO(1-1)
SQLite Database db = this.get Writeable Database();
db. delete(TABLE_Users, KEY_ID+"=?", new string[]
db.close().
3
public int update User Details (string roll number, string branch, intid)
{
Contable ab = (Ws. get Writeable Database ();
SQLiteDatabase db = this.getWriteableDatabase(); ContentValues cVals = new ContentValues();
cvals.put(KEY_ROLL, &oll number);
c Vals. put (KEY_BRAN, branch);
int ount = db. update (TABLE_Usexs, cVals, KEY_ID+"=?", newstring[]
{string.value of (id)},
return count;
3
2
If you observe code, we implemented all salite notabase
To you observe coal we implemented all salite Database
related activities to perform CRUD operations in android
application.
NOW appear activities main xml lile from 1xellant Pilax of He
Now open activity main.xml file from 1xes/layout folder path and write the ade like as shown below.
and write the Goll like as shown below.
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Date:

activity main. xml < 2xml Vexsion = "1.0" encoding = "utf-8"?> < Linea & Layout xmlns: and soid = "http://schemas.and soid.com/apk/ses/and soid" and soid: 0 vientation = "vestical" and soid: layout_width = "match_pasent" and void: layout_height = "match_paxent"> < Text View and soid: id = "@+id/fstTxt"> and soid: layout - width = "wrap - content" and soid: layout _ height = "wrap_content" and soid: layout - maxginleft = "100dp " and soid: layout - maxgin Top = "150dp" and soid: text = "Name"/> < Edit Text and soid: id = "@ +id/txt Name" and void: layout_width = "wxap-context" and void: layout - height = "wxap_content" and soid: layout_masginleft = "100dp" and roid: ems = "10"/> < TextView and soid: id = "a+id/secTxt" and soid: layout-width = "wrap_content" android: layout height = "wrap - content" android: text = "xoll number" and soid: layout_maxginLeft = "100dp"/> < EditText and soid: id/txt soll number" and roid: layout - width = "wrap_content" and soid: layout - height = "wsap - content" android: layout_maxginleft = "100dp" android: ems = "10"/> < Text View and soid: id = "@+id/thisdTxt" and void: layout - width = "wrap_content" and roid: layout - height = "wrap - entent" and roid: text = "branch and roid: layout - margin Left = "100dp" 1> BITS - KNL

E Flit Toxt O. O.
< EditText and void: id = "@ +id txtb vanch" and void: layout - width = " " x tb vanch"
and xoid: layout_width = "wrap_antent"
- 10101 1000L - WIGHA - 11
and soid: layout_maxginleft = "100dp" and soid: ems = "10"/>
< Button
and soid: id = "@+id/btnsave"
and soid: layout_width = "wrap_content"
and soid: layout_height = "wsap_outent"
and soid: layout_masginLeft = "100dp" and soid: text = "Save"/>
<pre> </pre> <pre> Linear Layout > </pre>
Now we will execute another launut resource like I tile a
in 18es layout path to show the details in custom lictures or
Now we will execte another layout resource file details.xml in \ses\layout\path to show the details in custom listview from Salite Database for that right click on your layout folder a Go to New a select Layout Resource file and give
folder a Go to New a select Layout Resource File and give
name as details.xml.
Once we create a new layout resource file details.xml,
open it and write the code like as shown below.
details.xml
ZEXML VEXSION = " 1.0" encoding = " utf - 8" ?>
Chineas Layout xmlns: and soid = not p: 11 schemas. and out of the major programa soid 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<pre> Z * xml ve s sion = 2.0 encooing = 0 to -8 :></pre>
and soid: augul = helight = fill - paseuc and soid: o sientation = "vestical">
anasona: 0 stemación = vero,
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< List View and void: id = "@+id/usex_list" and soid: layout_width = "fill_pasent" and soid: layout_height = "wsap_content" and soid: divides Height = " 1dp "/> < Button and soid: id = "@+id/btnBack" and soid: layout_width = "wrap - content" and soid: layout-height = "wrap-content" and soid: layout - gravity = "center" and soid: layout - masgin Top = "20dp" and soid: text = "Back" 1> Lineas Layout > Create an layout file (list-row.xml) in /res / layout folder to show the data in listview, for that right click on layout folder a add new Layout resource file a Give name as list-row.xml and write the code like as shown below. list_xow.xml Zelotive Layout xmlns: and soid = "http://schemas.andsoid.com/apk/8e8/andsoid and roid : layout - width = "fill - parent and soid: layout_height = "wxap_content" and soid: 0xientation = "hoxizontal" and soid: padding = "5dip"> <Text View and soid: id = "@+id/name" and soid: layout_width = "wxap_ontent" and soid : layout - height = "wsap_content" and void : text style = "bold" and soid: text size = "17dp"/> BITS - KNL

< Text View and roid: id = "@+id/6 ranch" and soid: layout - width = "weap_ontent" and xoid: layout_height = "wxap_content" and soid: layout -below = "@id/name" and soid: layout _ maxgin Top = "7dp" and soid: text Colox = "#343434" and soid: text Size = "14 dp"/> < Text View and soid: id = "@+id | sollnumber" and soid: layout_width = "wxap_content" and soid: layout - height = "w8ap-ontent" and soid: layout-align Baseline = "@ +id/branch" and soid: layout_align Pasent Right = "true" and soid: textColox = "#343434" and soid: text6/0x = "14dp"/> Layout > Now open your main activity file MainActivity, java from Ijava Com. tutlane solite example path and write the code like as shown below MainActivity.java package com. tutlane. salite example; impost and soid content. Intent; impost and soid. suppost. v7. app. App Compat Activity; impost and soid . os. Bundle; impost and soid . view. View; import and roid widget . Button; import android widget. Edit Text; import android . widget. Toast; BITS - KNL

public class MainActivity extends App Compot Activity	
1 Appenpal receivity	-
EditText name, voll, bran;	_
Button saveBtn:	_
Intent Intent;	-
Qoverride	\dashv
protected void on (reate (Bundle saved Instance state)	\dashv
E Saved instancestate)	\dashv
super. on Create (soved Instance state).	\dashv
set (ontent View (R. layout. activity_main); name = (EditText) find View By Id (R. id. txt Name);	\dashv
name = (EditText) LindViewBy Td (Rid txt Name).	\dashv
boan = (EditText) find View By Id (R.id. btn txt vol 1 nombes). boan = (EditText) find View By Id (R.id. btn Save);	一
bran = (EditText) find View By Td (R.id. htn Saue).	
Save Btn = (Button) find View By Id (R. id. htm Save):	
saveBtn=(Button) find ViewBy Id (R.id. btn Save); saveBtn.setOnClick Listener (New View, OnClick Listener ()	
£	
@ Overside	
public void on (lick (View v)	
String username = name.getText().toString f "In"; String rollnumber = loc.getText().toString(); String branch = desig.getText().toString();	
String rollnumber=loc.getText().toString();	
string branch = desig.getText().toString();	_
DoHandles abttandles = new Db Handles (MainActivity.	thie)
AbHandle & Insext Usex Details (Usex name, xoll number, byanch,);
Intent = Intent (Main Activity. this, Details Activity. class);
start Activity (Intent)	\dashv
Toast. make Text (get Application Context () "Details inserte	d
successfully", Foast. LENGTH_SHORT). show ();	_
ž ,	
3);	\dashv
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output:

SQLite Exam	ple 4:07
Name	Later past a day of Jupel backers
K.Prako	sh land the state of the state
Rull Number 202NIA	The state of the s
Branch	1 20 1 A12 = 2 A 1 A12 A12 A12 A12 A12 A12 A12 A12 A
CSE	I alice to the James The
SAVE	and and an in the first time
Δ	act day broad
	Tropped its sile