```
package com.example.databaseinsertionandretriving;

import android.content.ContentValues;
import android.content.Context;
import android.database.Cursor;
import android.database.sqlite.SQLiteDatabase;
import android.database.sqlite.SQLiteOpenHelper;

public class DBHelper extends SQLiteOpenHelper {


    public DBHelper(Context context) {
        super(context, "Username.db", null, 1);

    }

    @Override
    public void onCreate(SQLiteDatabase DB) {
        DB.execSQL("create table Userdetails(Username TEXT primary
key,Password TEXT)");
    }

    @Override
    public void onUpgrade(SQLiteDatabase DB, int i, int i1) {
        DB.execSQL("drop table if exists Userdetails");
    }

    public Boolean insertuserdetails(String username, String password) {
        SQLiteDatabase DB = getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put("Username", username);
        contentValues.put("Password", password);
        long result = DB.insert("Userdetails", null, contentValues);
        if (result == -1) {
            return false;
        } else {
            return true;
        }

    }

    public Boolean updateuserdetails(String username, String password) {
        SQLiteDatabase DB = getWritableDatabase();
        ContentValues contentValues = new ContentValues();
        contentValues.put("Username", username);
        contentValues.put("Password", password);
        Cursor cursor = DB.rawQuery("Select * from Userdetails where
name=?", new String[] {username});

        if (cursor.getCount() > 0) {
            long result = DB.update("Userdetails", contentValues,
"username=?", new String[] {username});
            if (result == -1) {
                return false;
            } else {
                return true;
            }
        } else {
            return false;
        }
    }
```

```
    public Boolean deletedata(String username) {
        SQLiteDatabase DB = getWritableDatabase();
        Cursor cursor = DB.rawQuery("Select * from Userdetails where
name=?", new String[]{username});

        if (cursor.getCount() > 0) {
            long result = DB.delete("Userdetails","username=?", new
String[]{username});
            if (result == -1) {
                return false;
            } else {
                return true;
            }
        }
        else{
            return false;
        }
    }


    public Cursor getdata() {
        SQLiteDatabase DB = getWritableDatabase();
        Cursor cursor = DB.rawQuery("Select * from Userdetails", null);
        return cursor;
    }



}
package com.example.databaseinsertionandretriving;

import androidx.appcompat.app.AlertDialog;
import androidx.appcompat.app.AppCompatActivity;

import android.database.Cursor;
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 {

    EditText username,password;
    Button insert,update,delete,view;
    DBHelper DB;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        username=findViewById(R.id.username);
        password=findViewById(R.id.password);
        insert=findViewById(R.id.insert);
        update=findViewById(R.id.update);
        delete=findViewById(R.id.delete);
        view=findViewById(R.id.view);

        DB= new DBHelper(this);
```

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        insert.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String nametxt=username.getText().toString();
                String pswd=password.getText().toString();

                Boolean checkinsert=DB.insertuserdetails(nametxt,pswd);
                if(checkinsert==true){
                    Toast.makeText(MainActivity.this, "New Inserted Data",
Toast.LENGTH_SHORT).show();
                }
                else{
                    Toast.makeText(MainActivity.this, "not new inserted",
Toast.LENGTH_SHORT).show();
                }
            }
        });

        update.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String nametxt=username.getText().toString();
                String pswd=password.getText().toString();

                Boolean checkupdate=DB.updateuserdetails(nametxt,pswd);
                if(checkupdate==true){
                    Toast.makeText(MainActivity.this, "Entry Updated",
Toast.LENGTH_SHORT).show();
                }
                else{
                    Toast.makeText(MainActivity.this, "there is No entry",
Toast.LENGTH_SHORT).show();
                }
            }
        });

        delete.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                String nametxt=username.getText().toString();

                Boolean checkdelete=DB.deletedata(nametxt);
                if(checkdelete==true){
                    Toast.makeText(MainActivity.this, "Deleted",
Toast.LENGTH_SHORT).show();
                }
                else{
                    Toast.makeText(MainActivity.this, "not Delete",
Toast.LENGTH_SHORT).show();
                }

            }
        });

        view.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View view) {
                Cursor res=DB.getdata();
                if(res.getCount()==0){
                    Toast.makeText(MainActivity.this, "Their is no new
Data", Toast.LENGTH_SHORT).show();
```

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                    return;
                }
                StringBuffer buffer=new StringBuffer();
                while (res.moveToNext()){
                    buffer.append("Username :" +res.getString(0)+"\n");
                    buffer.append("Password :" +res.getString(0)+"\n");
                }

                AlertDialog.Builder builder=new
AlertDialog.Builder(MainActivity.this);
                builder.setCancelable(true);
                builder.setTitle("User Entries");
                builder.setMessage(buffer.toString());
                builder.show();
            }
        });

    }
}
```