ASSIGNMENT- 3

TITLE : Android database connectivity

PROBLEM STATEMENT : Android DB connectivity, create an application & perform CRUD operation in the application

THEORY :

- SQLite :

- SQLite is an SQL database

- Android SQLite is very light weight database which comes with android.

- SQLite combines a clean SQL interface with a very small memory footprint & decent speed

- Database Connection :

i. Database Package :
Main package ⇒ android.database.sqlite

ii. Database creation
SQLite database mydb = ~~Open or~~ OpenOrCreateDatabase ("dbname", MODE_PRIVATE, NULL)

iii. Database Insertion
mydb.execSQL (" create table syntax ");
mydb.execSQL (" insert into table query ");

iv. Database Helper Class :
For managing all operation related to the db, helper class has been given db is called SQLiteOpenHelp

```
Public class DBHelper extends SQLiteOpenHelper {
    public DBHelper() {
        :
    }

}
```

- ADVANTAGES:
  - Light weight
  - Better performance
  - No Installation needed
  - Reliable
  - Portable

- DISADVANTAGES:
  - Need to handle long to medium HTTP request
  - Size is restricted to 2 GB in most cases

- CONCLUSION:

In this assignment, I have performed db connectivity & created a CRUD applicaⁿ.