

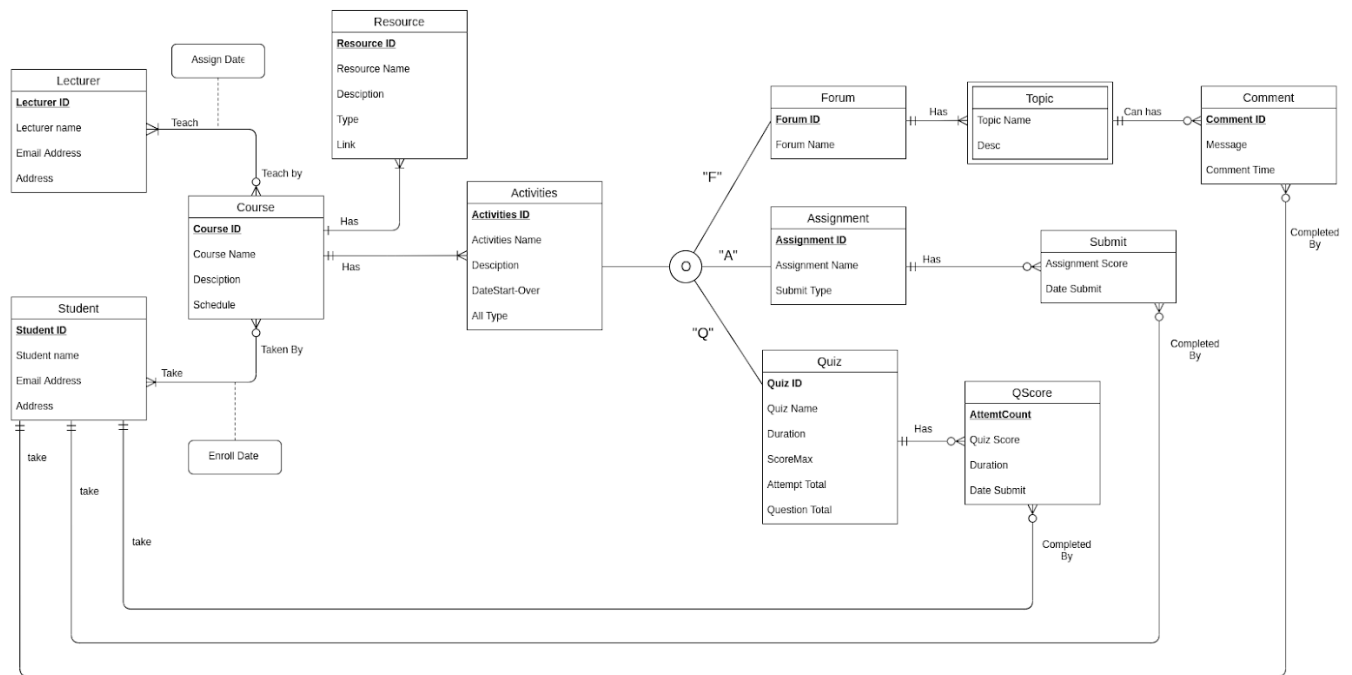
LMS Database project Documentation

Rizqi Khoir

1301194266

The ER-D

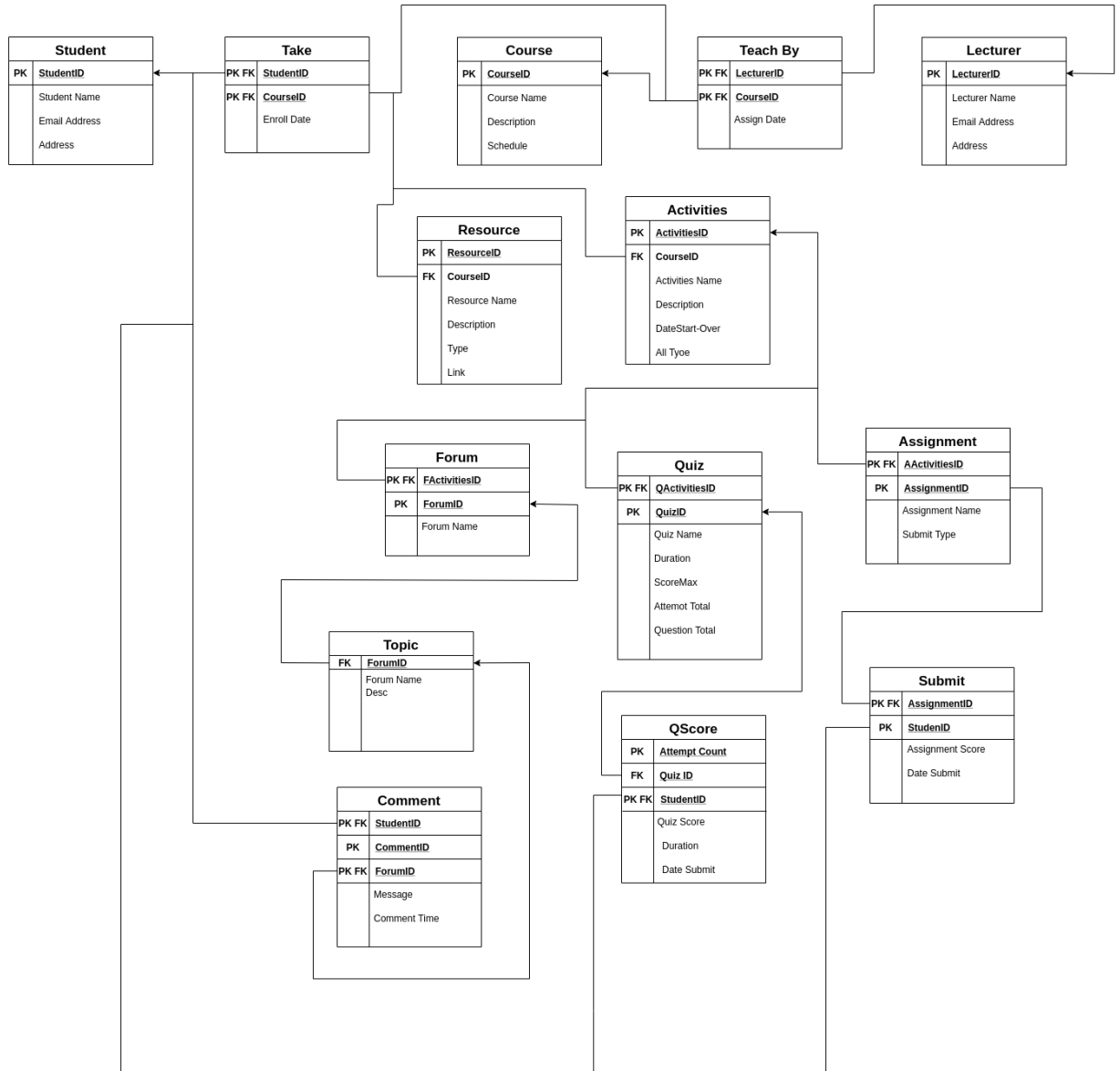
ER-D Learning management system



The logical Model

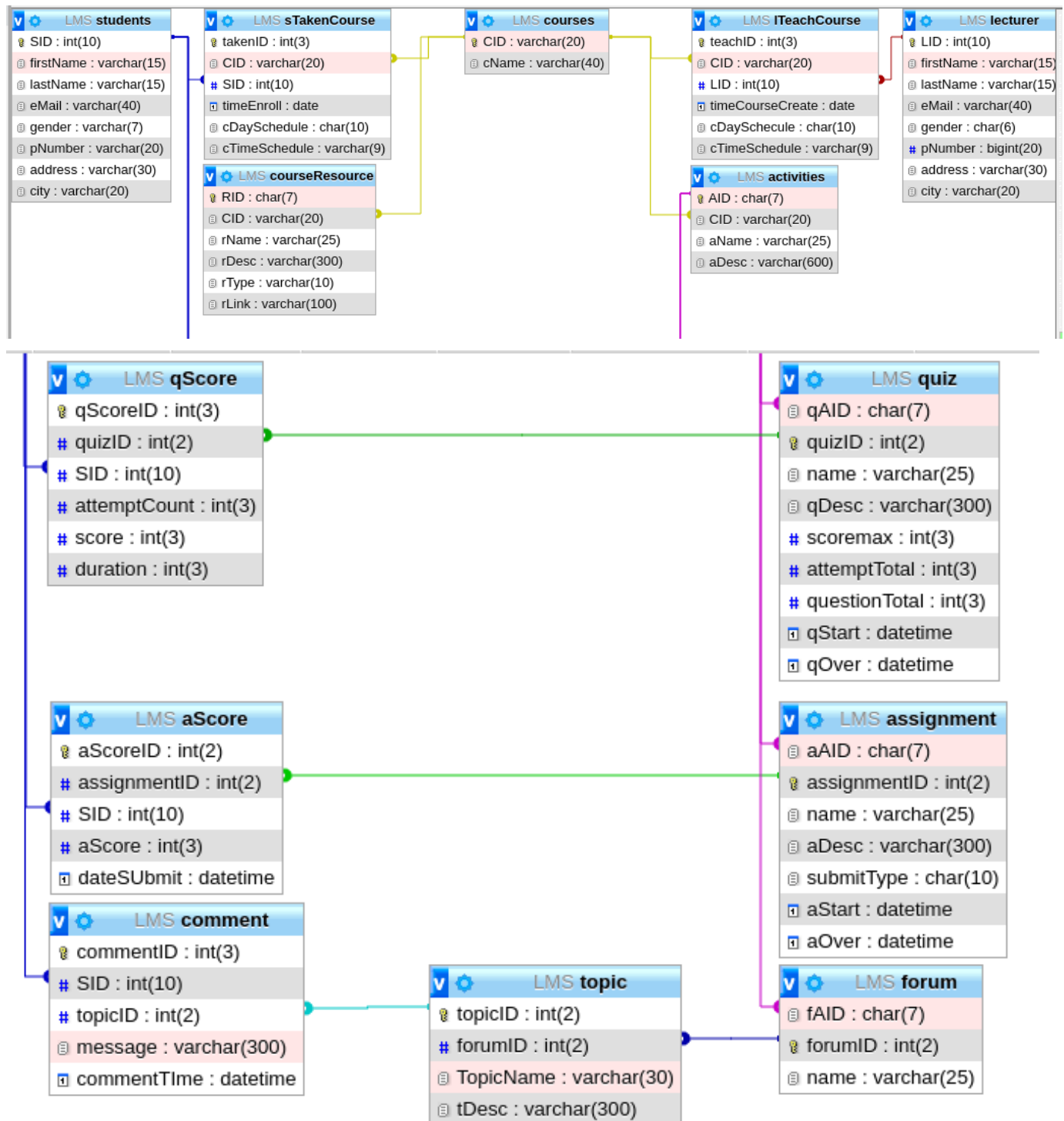
Logical Modelling Of Learning Management System

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Raden Aria Gusti Aji (1301180503)



Made some improvement on the database but not on the ERD and logical model

And this is the table model on the database



Creating table

[students]

```
CREATE TABLE `students` (  
  `SID` int(10) NOT NULL,  
  `firstName` varchar(15) DEFAULT NULL,  
  `lastName` varchar(15) DEFAULT NULL,  
  `eMail` varchar(40) DEFAULT NULL,  
  `gender` varchar(7) DEFAULT NULL,  
  `pNumber` varchar(20) DEFAULT NULL,  
  `address` varchar(30) DEFAULT NULL,  
  `city` varchar(20) DEFAULT NULL,  
  PRIMARY KEY (`SID`)  
);
```

[courses]

```
CREATE TABLE `courses` (  
  `CID` varchar(20) NOT NULL,  
  `cName` varchar(40) DEFAULT NULL,  
  PRIMARY KEY (`CID`)  
);
```

[lecturer]

```
CREATE TABLE `lecturer` (  
  `LID` int(10) NOT NULL,  
  `firstName` varchar(15) DEFAULT NULL,  
  `lastName` varchar(15) DEFAULT NULL,  
  `eMail` varchar(40) DEFAULT NULL,  
  `gender` char(6) DEFAULT NULL,  
  `pNumber` bigint(20) DEFAULT NULL,  
  `address` varchar(30) DEFAULT NULL,  
  `city` varchar(20) DEFAULT NULL,  
  PRIMARY KEY (`LID`)  
);
```

[ITeachCourse]

```
CREATE TABLE `ITeachCourse` (  
  `teachID` int(3) NOT NULL,  
  `CID` varchar(20) DEFAULT NULL,  
  `LID` int(10) DEFAULT NULL,  
  `timeCourseCreate` date DEFAULT NULL,  
  `cDaySchecule` char(10) DEFAULT NULL,  
  `cTimeSchedule` varchar(9) DEFAULT NULL,  
  PRIMARY KEY (`teachID`),  
  KEY `FK_ILID` (`LID`),  
  KEY `FK_ICID` (`CID`),  
  CONSTRAINT `FK_ICID` FOREIGN KEY (`CID`) REFERENCES `courses` (`CID`),  
  CONSTRAINT `FK_ILID` FOREIGN KEY (`LID`) REFERENCES `lecturer` (`LID`)  
);
```

[sTakenCourse]

```
CREATE TABLE `sTakenCourse` (  
  `takenID` int(3) NOT NULL,  
  `CID` varchar(20) DEFAULT NULL,  
  `SID` int(10) DEFAULT NULL,  
  `timeEnroll` date DEFAULT NULL,  
  `cDaySchedule` char(10) DEFAULT NULL,  
  `cTimeSchedule` varchar(9) DEFAULT NULL,  
  PRIMARY KEY (`takenID`),  
  KEY `FK_sCID` (`CID`),  
  KEY `FK_sSID` (`SID`),  
  CONSTRAINT `FK_sCID` FOREIGN KEY (`CID`) REFERENCES `courses` (`CID`),  
  CONSTRAINT `FK_sSID` FOREIGN KEY (`SID`) REFERENCES `students` (`SID`)  
);
```

[activities]

```
CREATE TABLE `activities` (  
  `AID` char(7) NOT NULL,  
  `CID` varchar(20) DEFAULT NULL,  
  `aName` varchar(25) DEFAULT NULL,  
  `aDesc` varchar(600) DEFAULT NULL,  
  PRIMARY KEY (`AID`),  
  KEY `CID` (`CID`),  
  CONSTRAINT `activities_ibfk_1` FOREIGN KEY (`CID`) REFERENCES `courses` (`CID`)  
);
```

[courseResource]

```
CREATE TABLE `courseResource` (  
  `RID` char(7) NOT NULL,  
  `CID` varchar(20) DEFAULT NULL,  
  `rName` varchar(25) DEFAULT NULL,  
  `rDesc` varchar(300) DEFAULT NULL,  
  `rType` varchar(10) DEFAULT NULL,  
  `rLink` varchar(100) DEFAULT NULL,  
  PRIMARY KEY (`RID`),  
  KEY `CID` (`CID`),  
  CONSTRAINT `courseResource_ibfk_1` FOREIGN KEY (`CID`) REFERENCES `courses`  
  (`CID`)  
);
```

[quiz]

```
CREATE TABLE `quiz` (  
  `qAID` char(7) DEFAULT NULL,  
  `quizID` int(2) NOT NULL,  
  `name` varchar(25) DEFAULT NULL,  
  `qDesc` varchar(300) DEFAULT NULL,  
  `scoremax` int(3) DEFAULT NULL,  
  `attemptTotal` int(3) DEFAULT NULL,  
  `questionTotal` int(3) DEFAULT NULL,  
  `qStart` datetime DEFAULT NULL,  
  `qOver` datetime DEFAULT NULL,  
  PRIMARY KEY (`quizID`),  
  KEY `FK_qAID` (`qAID`),  
  CONSTRAINT `FK_qAID` FOREIGN KEY (`qAID`) REFERENCES `activities` (`AID`)  
);
```

[assignment]

```
CREATE TABLE `assignment` (  
  `aAID` char(7) DEFAULT NULL,  
  `assignmentID` int(2) NOT NULL,  
  `name` varchar(25) DEFAULT NULL,  
  `aDesc` varchar(300) DEFAULT NULL,  
  `submitType` char(10) DEFAULT NULL,  
  `aStart` datetime DEFAULT NULL,  
  `aOver` datetime DEFAULT NULL,  
  PRIMARY KEY (`assignmentID`),  
  KEY `FK_aAID` (`aAID`),  
  CONSTRAINT `FK_aAID` FOREIGN KEY (`aAID`) REFERENCES `activities` (`AID`)  
);
```

[forum]

```
CREATE TABLE `forum` (  
  `fAID` char(7) DEFAULT NULL,  
  `forumID` int(2) NOT NULL,  
  `name` varchar(25) DEFAULT NULL,  
  PRIMARY KEY (`forumID`),  
  KEY `FK_fAID` (`fAID`),  
  CONSTRAINT `FK_fAID` FOREIGN KEY (`fAID`) REFERENCES `activities` (`AID`)  
);
```

[qScore]

```
CREATE TABLE `qScore` (  
  `qScoreID` int(3) NOT NULL,  
  `quizID` int(2) DEFAULT NULL,  
  `SID` int(10) DEFAULT NULL,  
  `attemptCount` int(3) DEFAULT NULL,  
  `score` int(3) DEFAULT NULL,  
  `duration` int(3) DEFAULT NULL,  
  PRIMARY KEY (`qScoreID`),  
  KEY `FK_quizID` (`quizID`),  
  KEY `FK_scoreSID` (`SID`),  
  CONSTRAINT `FK_quizID` FOREIGN KEY (`quizID`) REFERENCES `quiz` (`quizID`),  
  CONSTRAINT `FK_scoreSID` FOREIGN KEY (`SID`) REFERENCES `students` (`SID`)  
)
```

[aScore]

```
CREATE TABLE `aScore` (  
  `aScoreID` int(2) NOT NULL,  
  `assignmentID` int(2) DEFAULT NULL,  
  `SID` int(10) DEFAULT NULL,  
  `aScore` int(3) DEFAULT NULL,  
  `dateSubmit` datetime DEFAULT NULL,  
  PRIMARY KEY (`aScoreID`),  
  KEY `FK_assignmentSID` (`SID`),  
  KEY `FK_assignmentID` (`assignmentID`),  
  CONSTRAINT `FK_assignmentID` FOREIGN KEY (`assignmentID`) REFERENCES  
`assignment` (`assignmentID`),  
  CONSTRAINT `FK_assignmentSID` FOREIGN KEY (`SID`) REFERENCES `students` (`SID`)  
);
```

[topic]

```
CREATE TABLE `topic` (  
  `topicID` int(2) NOT NULL,  
  `forumID` int(2) DEFAULT NULL,  
  `TopicName` varchar(30) DEFAULT NULL,  
  `tDesc` varchar(300) DEFAULT NULL,  
  PRIMARY KEY (`topicID`),  
  KEY `FK_forumID` (`forumID`),  
  CONSTRAINT `FK_forumID` FOREIGN KEY (`forumID`) REFERENCES `forum` (`forumID`)  
);
```

[comment]

```
CREATE TABLE `comment` (  
  `commentID` int(3) NOT NULL,  
  `SID` int(10) DEFAULT NULL,  
  `topicID` int(2) DEFAULT NULL,  
  `message` varchar(300) DEFAULT NULL,  
  `commentTime` datetime DEFAULT NULL,  
  PRIMARY KEY (`commentID`),  
  KEY `FK_topicID` (`topicID`),  
  KEY `FK_cSID` (`SID`),  
  CONSTRAINT `FK_cSID` FOREIGN KEY (`SID`) REFERENCES `students` (`SID`),  
  CONSTRAINT `FK_topicID` FOREIGN KEY (`topicID`) REFERENCES `topic` (`topicID`)  
);
```


The Dataset

I use .csv for the data, so this is the snapshot
[student]

```
1 130111, Lyndon, Crawford, l.crawford@randatmail.com, Male, 835448563, jl. a, jakarta
2 130112, Honey, Adams, h.adams@randatmail.com, Female, 034345640, jl. b, jakarta
3 130113, Alan, West, a.west@randatmail.com, Male, 580863012, jl. c, jakarta
4 130114, Spike, Harper, s.harper@randatmail.com, Male, 936499749, jl. d, jakarta
5 130115, John, Jones, j.jones@randatmail.com, Male, 593656271, jl. e, jakarta
6 130116, Victoria, Riley, v.riley@randatmail.com, Female, 400420894, jl. f, jakarta
7 130117, Arnold, Grant, a.grant@randatmail.com, Male, 238788416, jl. g, jakarta
8 130118, Victoria, Robinson, v.robinson@randatmail.com, Female, 431953336, jl. h, jakarta
9 130119, Kelvin, Fowler, k.fowler@randatmail.com, Male, 302294017, jl. i, jakarta
10 130121, Lucas, Cooper, l.cooper@randatmail.com, Male, 873446631, jl. j, jakarta
11 130122, Arnold, Bailey, a.bailey@randatmail.com, Male, 233282376, jl. k, jakarta
12 130123, Savana, Phillips, s.phillips@randatmail.com, Female, 865316510, jl. l, jakarta
13 130124, Eddy, Watson, e.watson@randatmail.com, Male, 272896996, jl. m, jakarta
14 130125, Evelyn, Carroll, e.carroll@randatmail.com, Female, 397833946, jl. n, jakarta
15 130126, Reid, Craig, r.craig@randatmail.com, Male, 890427912, jl. o, jakarta
16 130127, Brianna, Bailey, b.bailey@randatmail.com, Female, 601828154, jl. p, jakarta
17 130128, Aida, Payne, a.payne@randatmail.com, Female, 546066933, jl. q, jakarta
18 130129, Nicole, Russell, n.russell@randatmail.com, Female, 714498228, jl. r, jakarta
19 130130, Charlotte, Richardson, c.richardson@randatmail.com, Female, 075800758, jl. s, jakarta
20 130131, Tiana, Farrell, t.farrell@randatmail.com, Female, 254674302, jl. t, jakarta
21 130132, Alford, Watson, a.watson@randatmail.com, Male, 567907831, jl. u, jakarta
22 130133, Arianna, Roberts, a.roberts@randatmail.com, Female, 328773562, jl. v, jakarta
23 130134, Jenna, Ellis, j.ellis@randatmail.com, Female, 435046452, jl. w, jakarta
24 130135, Freddie, Anderson, f.anderson@randatmail.com, Male, 405443935, jl. x, jakarta
25 130136, John, Morris, j.morris@randatmail.com, Male, 875334178, jl. y, jakarta
26 130137, Maya, Russell, m.russell@randatmail.com, Female, 001935861, jl. z, jakarta
27 130138, Carina, Hall, c.hall@randatmail.com, Female, 548482768, jl. aa, jakarta
28 130139, Martin, Adams, m.adams@randatmail.com, Male, 883197318, jl. bb, jakarta
29 130140, Mary, Lloyd, m.lloyd@randatmail.com, Female, 172272898, jl. fish, jakarta
30 111111, Kate, Gray, k.gray@randatmail.com, Female, 755527665, jl. chicken, Bandung
31 222222, Louise, Lucas, "loulu@gmail.com", Male, 087222222, jl. cow, Bandung
32 333333, cheng, hua, "bestcheng@gmail.com", Female, 087333333, jl. firefly, Bandung
33 444444, xiao, po, "xiaopo@gmail.com", Male, 087444444, jl. ant, Bandung
34 555555, ola, olaza, "olazaola@gmail.com", Female, 087555555, jl. cat, Bandung
```

[lecturer]

```
1 LID, First Name, Last Name, Email, Gender, Phone, address, city
2 101, Andrew, Montgomery, a.montgomery@randatmail.com, Male, 684996610, jl bojong swan 1, Bandung
3 102, Nicole, West, n.west@randatmail.com, Female, 495791317, jl bojong swan 2, Bandung
4 103, Chloe, Brooks, c.brooks@randatmail.com, Female, 553759404, jl bojong swan 3, Bandung
5 104, Haris, Farrell, h.farrell@randatmail.com, Male, 534953209, jl bojong swan 4, Bandung
6 105, Chester, Elliott, c.elliott@randatmail.com, Male, 115681478, jl bojong swan 5, Bandung
7 106, Steven, Douglas, s.douglas@randatmail.com, Male, 207299561, jl bojong swan 6, Bandung
8 107, Florrie, Andrews, f.andrews@randatmail.com, Female, 176349626, jl bojong swan 7, Bandung
9 108, Heather, Thomas, h.thomas@randatmail.com, Female, 209708033, jl bojong swan 8, Bandung
10 109, Luke, Jones, l.jones@randatmail.com, Male, 627009626, jl bojong swan 9, Bandung
11 110, Victor, Williams, v.williams@randatmail.com, Male, 045394744, jl bojong swan 10, Bandung
12 111, Abraham, Richardson, a.richardson@randatmail.com, Male, 140462993, jl bojong swan 11, Bandung
13 112, Florrie, Barrett, f.barrett@randatmail.com, Female, 754957973, jl bojong swan 12, Bandung
14 113, Frederick, Baker, f.baker@randatmail.com, Male, 929511349, jl bojong swan 13, Bandung
15 114, Max, Richardson, m.richardson@randatmail.com, Male, 972046344, jl bojong swan 14, Bandung
16 115, Charlotte, Armstrong, c.armstrong@randatmail.com, Female, 067162012, jl bojong swan 15, Bandung
17 116, Miller, Grant, m.grant@randatmail.com, Male, 851369342, jl bojong swan 16, Bandung
18 117, Deanna, Turner, d.turner@randatmail.com, Female, 463545877, jl bojong swan 17, Bandung
19 118, Fiona, Warren, f.warren@randatmail.com, Female, 728755648, jl bojong swan 18, Bandung
20 119, Camila, Perkins, c.perkins@randatmail.com, Female, 061383249, jl bojong swan 19, Bandung
21 120, Cherry, Andrews, c.andrews@randatmail.com, Female, 321428588, jl bojong swan 20, Bandung
22 121, Kate, Jones, k.jones@randatmail.com, Female, 762568535, jl bojong swan 21, Bandung
23 122, Alen, Reed, a.reed@randatmail.com, Male, 702322630, jl bojong swan 22, Bandung
24 123, Adison, Harris, a.harris@randatmail.com, Male, 433251981, jl bojong swan 23, Bandung
25 124, Frederick, Barnes, f.barnes@randatmail.com, Male, 924224686, jl bojong swan 24, Bandung
26 125, Arthur, Murray, a.murray@randatmail.com, Male, 368292002, jl bojong swan 25, Bandung
27 126, Penelope, Martin, p.martin@randatmail.com, Female, 493143439, jl bojong swan 26, Bandung
28 127, Rebecca, Harris, r.harris@randatmail.com, Female, 918606794, jl bojong swan 27, Bandung
29 128, Dexter, Chapman, d.chapman@randatmail.com, Male, 693335369, jl bojong swan 28, Bandung
30 129, Adrian, Walker, a.walker@randatmail.com, Male, 176396708, jl bojong swan 29, Bandung
31 130, Kate, Davis, k.davis@randatmail.com, Female, 668718651, jl bojong swan 30, Bandung
```

[courses]

```
1 D3PH4301, PEMBENTUKAN KARATER 1
2 D3PH4302, PEMBENTUKAN KARATER 2
3 D3PH4303, KEWARGANEGARAAN 1
4 D3PH4304, KEWARGANEGARAAN 2
5 D3PH4305, PENGEMBANGAN PROFESIONALISME 1
6 D3PH4306, PENGEMBANGAN PROFESIONALISME 2
7 D3PH4307, PENGEMBANGAN PROFESIONALISME 3
8 D3PH4308, SALES DAN MARKETING PARIWISATA 1
9 D3PH4309, KALKULUS 1
10 D3PH4310, KALKULUS 2
11 D3PH4311, BASIC ALGORITHM 1
12 D3PH4312, BASIC ALGORITHM 2
13 D3PH4313, BASIC ALGORITHM 3
14 D3PH4314, Data Structure 1
15 D3PH4315, Data Structure 2
16 D3PH4316, Data Structure 3
17 D3PH4317, Computer organization & architecture 1
18 D3PH4318, Computer organization & architecture 2
19 D3PH4319, Computer organization & architecture 3
20 D3PH4320, Cyber Security 1
21 D3PH4321, Cyber Security 2
22 D3PH4322, Cyber Security 3
23 D3PH4323, Web Developing 1
24 D3PH4324, Web Developing 2
25 D3PH4325, Web Developing 3
26 D3PH4326, Machine Learning 1
27 D3PH4327, Machine Learning 2
28 D3PH4328, Machine Learning 3
29 D3PH4329, NLP
30 D3PH4330, DevOps
```

[sTakenCourse]

```
1 takenID,CID,SID,timeCourseCreate,cDaySchedule,cTimeSch
2 1,D3PH4316,130111,2020-01-01,monday,7:30:00
3 2,D3PH4317,130112,2020-01-02,tuesday,8:30:00
4 3,D3PH4318,130113,2020-01-03,wednesday,9:30:00
5 4,D3PH4319,130114,2020-01-04,thrusday,10:30:00
6 5,D3PH4320,130115,2020-01-05,friday,11:30:00
7 6,D3PH4321,130116,2020-01-06,saturday,12:30:00
8 7,D3PH4322,130117,2020-01-07,monday,13:30:00
9 8,D3PH4323,130118,2020-01-08,tuesday,14:30:00
10 9,D3PH4324,130119,2020-01-09,wednesday,15:30:00
11 10,D3PH4325,130121,2020-01-10,thrusday,7:30:00
12 11,D3PH4326,130122,2020-01-11,friday,8:30:00
13 12,D3PH4327,130123,2020-01-12,saturday,9:30:00
14 13,D3PH4328,130124,2020-01-13,saturday,10:30:00
15 14,D3PH4329,130125,2020-01-14,friday,11:30:00
16 15,D3PH4330,130126,2020-01-15,monday,12:30:00
17 16,D3PH4301,130127,2020-01-16,wednesday,13:30:00
18 17,D3PH4302,130128,2020-01-17,thrusday,14:30:00
19 18,D3PH4303,130129,2020-01-18,friday,15:30:00
20 19,D3PH4304,130130,2020-01-01,saturday,16:30:00
21 20,D3PH4305,130131,2020-01-02,saturday,12:30:00
22 21,D3PH4306,130132,2020-01-03,friday,13:30:00
23 22,D3PH4307,130133,2020-01-04,monday,14:30:00
24 23,D3PH4308,130134,2020-01-05,saturday,15:30:00
25 24,D3PH4309,130135,2020-01-06,friday,16:30:00
26 25,D3PH4310,130136,2020-01-07,monday,12:30:00
27 26,D3PH4311,130137,2020-01-08,saturday,13:30:00
28 27,D3PH4312,130138,2020-01-09,friday,14:30:00
29 28,D3PH4313,130139,2020-01-10,monday,15:30:00
30 29,D3PH4314,130140,2020-01-01,monday,16:30:00
31 30,D3PH4315,1111111,2020-01-02,tuesday,7:30:00
32 31,D3PH4316,222222,2020-01-03,wednesday,8:30:00
33 32,D3PH4317,333333,2020-01-04,thrusday,9:30:00
34 33,D3PH4318,444444,2020-01-05,friday,10:30:00
35 34,D3PH4319,555555,2020-01-06,wednesday,11:30:00
```

[TeachCourse]

```
1 teachID,CID,LID,timeCourseCreate,cDaySchedule,cTimeSch
2 1,D3PH4316,101,2020-01-01,monday,7:30:00
3 2,D3PH4317,102,2020-01-02,tuesday,8:30:00
4 3,D3PH4318,103,2020-01-03,wednesday,9:30:00
5 4,D3PH4319,104,2020-01-04,thrusday,10:30:00
6 5,D3PH4320,105,2020-01-05,friday,11:30:00
7 6,D3PH4321,106,2020-01-06,saturday,12:30:00
8 7,D3PH4322,107,2020-01-07,monday,13:30:00
9 8,D3PH4323,108,2020-01-08,tuesday,14:30:00
10 9,D3PH4324,109,2020-01-09,wednesday,15:30:00
11 10,D3PH4325,110,2020-01-10,thrusday,7:30:00
12 11,D3PH4326,111,2020-01-11,friday,8:30:00
13 12,D3PH4327,112,2020-01-12,saturday,9:30:00
14 13,D3PH4328,113,2020-01-13,saturday,10:30:00
15 14,D3PH4329,114,2020-01-14,friday,11:30:00
16 15,D3PH4330,115,2020-01-15,monday,12:30:00
17 16,D3PH4301,116,2020-01-16,monday,13:30:00
18 17,D3PH4302,117,2020-01-17,tuesday,14:30:00
19 18,D3PH4303,118,2020-01-18,wednesday,15:30:00
20 19,D3PH4304,119,2020-01-19,thrusday,16:30:00
21 20,D3PH4305,120,2020-01-20,friday,7:30:00
22 21,D3PH4306,121,2020-01-21,saturday,8:30:00
23 22,D3PH4307,122,2020-01-22,monday,9:30:00
24 23,D3PH4308,123,2020-01-23,tuesday,10:30:00
25 24,D3PH4309,124,2020-01-24,wednesday,11:30:00
26 25,D3PH4310,125,2020-01-25,thrusday,12:30:00
27 26,D3PH4311,126,2020-01-26,friday,13:30:00
28 27,D3PH4312,127,2020-01-27,saturday,14:30:00
29 28,D3PH4313,128,2020-01-28,monday,15:30:00
30 29,D3PH4314,129,2020-01-29,tuesday,16:30:00
31 30,D3PH4315,130,2020-02-01,wednesday,7:30:00
32 31,D3PH4316,101,2020-02-02,thrusday,8:30:00
33 32,D3PH4317,102,2020-02-03,friday,9:30:00
34 33,D3PH4318,103,2020-02-04,saturday,10:30:00
35 34,D3PH4319,104,2020-02-05,monday,11:30:00
36 35,D3PH4320,105,2020-02-06,monday,12:30:00
```

[activities]

[illegible]

[courseResource]

```
1 RID,CID,rName,rDesc,rType,rLink
2 1,D3PH4316,week-1,Perkenalan pada matkul,video,https://www.youtube.com
3 2,D3PH4317,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
4 3,D3PH4318,week-1,Perkenalan pada matkul,video,https://www.youtube.com
5 4,D3PH4319,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
6 5,D3PH4320,week-1,Perkenalan pada matkul,video,https://www.youtube.com
7 6,D3PH4321,week-1,Perkenalan pada matkul,video,https://www.youtube.com
8 7,D3PH4322,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
9 8,D3PH4323,week-1,Perkenalan pada matkul,video,https://www.youtube.com
10 9,D3PH4324,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
11 10,D3PH4325,week-1,Perkenalan pada matkul,video,https://www.youtube.com
12 11,D3PH4326,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
13 12,D3PH4327,week-1,Perkenalan pada matkul,video,https://www.youtube.com
14 13,D3PH4328,week-1,Perkenalan pada matkul,video,https://www.youtube.com
15 14,D3PH4329,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
16 15,D3PH4330,week-1,Perkenalan pada matkul,excel,https://docs.google.com/spreadsheets/d/1sYX
17 16,D3PH4301,week-1,Perkenalan pada matkul,excel,https://docs.google.com/spreadsheets/d/1sYX
18 17,D3PH4302,week-1,Perkenalan pada matkul,video,https://www.youtube.com
19 18,D3PH4303,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
20 19,D3PH4304,week-1,Perkenalan pada matkul,video,https://www.youtube.com
21 20,D3PH4305,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
22 21,D3PH4306,week-1,Perkenalan pada matkul,video,https://www.youtube.com
23 22,D3PH4307,week-1,Perkenalan pada matkul,video,https://www.youtube.com
24 23,D3PH4308,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
25 24,D3PH4309,week-1,Perkenalan pada matkul,docs,docs.google.com/document/d/1Sd
26 25,D3PH4309,week-2,math review 1,video,https://www.youtube.com
27 26,D3PH4309,week-3,math review 1,docs,docs.google.com/document/d/1Sd
28 27,D3PH4309,week-4,pertidak samaan,video,https://www.youtube.com
29 28,D3PH4309,week-5,fungsi,video,https://www.youtube.com
30 29,D3PH4309,week-6,limit,docs,docs.google.com/document/d/1Sd
31 30,D3PH4309,week-7,fungsi kontinu,video,https://www.youtube.com
```

[quiz]

```
1 qAID,quizID,name,qDesc,scoremx,attemptTotal,questionTotal,qStart,qOver
2 25,1,recall math sma 1,not open book,120,0,6,2020-03-01 7:30:00,2020-03-02 9:30:00
3 26,2,recall math sma 2,not open book,120,0,6,2020-03-20 7:30:00,2020-03-20 9:30:00
4 27,3,pertidaksamaan,open book,120,2,10,2020-04-01 7:30:00,2020-04-01 9:30:00
5 28,4,fungsi,not open book kisi kisi dari ppt,120,2,6,2020-04-20 7:30:00,2020-04-20 9:30:00
6 29,5,limit,not open book kisi kisi dari ppt,120,2,6,2020-05-01 7:30:00,2020-05-01 9:30:00
7 30,6,fungsi kontinu,ujian,120,2,10,2020-05-20 7:30:00,2020-05-20 9:30:00
8 25,7,recall math sma 1 batch2,not open book,120,2,6,2020-03-01 7:30:00,2020-03-01 9:30:00
9 26,8,recall math sma 2 batch2,not open book,120,0,6,2020-03-20 7:30:00,2020-03-20 9:30:00
10 27,9,pertidaksamaan batch2,open book,120,0,6,2020-04-01 7:30:00,2020-04-01 9:30:00
11 28,10,fungsi batch2,not open book kisi kisi dari ppt,120,2,6,2020-04-20 7:30:00,2020-04-20 9:30:00
12 29,11,limit batch2,not open book kisi kisi dari ppt,120,2,6,2020-05-01 7:30:00,2020-05-01 9:30:00
13 30,12,fungsi kontinu batch2,ujian,120,2,15,2020-05-20 7:30:00,2020-05-20 9:30:00
```

[qScore]

```
1 qScoreID,quizID,SID,attemtCount,score,duration
2 1,1,1111111,1,40,59
3 2,2,222222,1,42,112
4 3,3,333333,1,52,119
5 4,4,444444,1,30,41
6 5,5,555555,1,67,119
7 6,7,1111111,2,80,90
8 7,8,222222,2,92,102
9 8,9,333333,2,86,110
10 9,10,444444,2,90,103
11 10,11,555555,2,100,119
```

[assignment]

```
aAID,assignmentID,name,aDesc,submitType,aStart,aOver
25,1,assignment week2,recall math sma 1,.pdf,2020-03-01 7:30:00,2020-03-01 23:30:00
26,2,assignment week3,recall math sma 2,.pdf,2020-03-20 7:30:00,2020-03-20 23:30:00
27,3,assignment week4,pertidaksamaan,.pdf,2020-04-01 7:30:00,2020-04-01 23:30:00
28,4,assignment week5,fungsi,.pdf,2020-04-20 7:30:00,2020-04-20 23:30:00
29,5,assignment week6,limit,.pdf,2020-05-01 7:30:00,2020-05-01 23:30:00
30,6,assignment week7,fungsi kontinu,.pdf,2020-05-20 7:30:00,2020-05-20 23:30:00
1,7,assignment week1,tugas pengenalan,.mp4,2020-01-03 6:00:00,2020-01-03 23:00:00
2,8,assignment week1,tugas pengenalan,.mp4,2020-01-04 6:00:00,2020-01-04 23:00:00
3,9,assignment week1,tugas pengenalan,.mp4,2020-01-05 6:00:00,2020-01-05 23:00:00
4,10,assignment week1,tugas pengenalan,link,2020-01-06 6:00:00,2020-01-06 23:00:00
```

[aScore]

```
1 aScoreID,assignmentID,SID,aScore,dateSubmit
2 1,1,1111111,100,2020-03-01 23:00:00
3 2,2,222222,95,2020-03-20 23:00:00
4 3,3,333333,90,2020-04-01 23:00:00
5 4,4,444444,72,2020-04-20 23:00:00
6 5,5,555555,100,2020-05-01 23:00:00
7 6,6,1111111,100,2020-05-20 23:00:00
8 7,1,222222,95,2020-03-01 23:00:00
9 8,2,333333,90,2020-03-20 23:00:00
10 9,3,444444,72,2020-04-01 23:00:00
11 10,4,555555,100,2020-04-20 23:00:00
```

[forum]

```
1 fAID,forumID,Name
2 24,1,pertanyaak week1
3 25,2,pertanyaak week2
4 26,3,pertanyaak week3
5 27,4,pertanyaak week4
6 28,5,pertanyaak week5
7 29,6,pertanyaak week6
8 30,7,pertanyaak week7
9 1,8,pertanyaak week1
10 2,9,pertanyaak week1
11 3,10,pertanyaak week1
```

[topic]

```
1 topicID,forumID,TopicName,tDesc
2 1,1,week1,tolong pertanyaan tulis disini
3 2,2,week2,tolong pertanyaan tulis disini
4 3,3,week3,tolong pertanyaan tulis disini
5 4,4,week4,tolong pertanyaan tulis disini
6 5,5,week5,tolong pertanyaan tulis disini
7 6,6,week6,tolong pertanyaan tulis disini
8 7,7,week7,tolong pertanyaan tulis disini
9 8,1,daftar kelompok,ini adalah daftar kelompok yang akang kalian gunakan sampai week 3
10 9,2,diskusi kelompok,kalian bisa diskusi dengan kelompok lain disini
11 10,3,diskusi kelompok,kalian bisa diskusi dengan kelompok lain disini
```

[comment]

```
1 commentID,SID,topicID,message,commentTime
2 1,1111111,1,pak apakah boleh saya gunakan cara waktu sma?,2020-03-01 7:00:00
3 2,222222,2,pak hasil saya kok beda ya,2020-03-02 7:00:00
4 3,333333,3,pak saya kurang paham,2020-03-03 7:00:00
5 4,444444,4,apakah ada cara yang lebih mudah pak?,2020-03-04 7:00:00
6 5,555555,3,apakah saya boleh bantu jawab yang lain pak?,2020-03-05 7:00:00
7 6,555555,1,maaf kurang tau,2020-03-06 7:00:00
8 7,555555,2,sama pak punya saya juga beda ya,2020-03-07 7:00:00
9 8,555555,4,saya dulu diajarkan cara yang beda pak,2020-03-08 7:00:00
10 9,555555,6,baik pa,2020-03-09 7:00:00
11 10,555555,7,oke pak terimakasih,2020-03-10 7:00:00
```


For adding the data into the tables

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/assignment.csv' (this is the path of the file)

INTO TABLE assignment (this is name of the table)

FIELDS TERMINATED BY ',' (this mean we want to terminate data by a “,”)

LINES TERMINATED BY '\n' (this mean we want to terminate the row by new line)

IGNORE 1 ROWS; (i use this because in the first row of my data is the attribute name)

All of the syntax is optional, can be modified depends on the dataset type

[student]

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/student.csv'

INTO TABLE student

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n';

[lecturer]

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/lecturer.csv'

INTO TABLE lecturer

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

[courses]

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/courses.csv'

INTO TABLE courses

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

[sTakenCourse]

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/ITakenCourse.csv'

INTO TABLE sTakenCourse

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

[ITeachCourse]

LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/ITeachCourse.csv'

INTO TABLE

FIELDS TERMINATED BY ','

LINES TERMINATED BY '\n'

IGNORE 1 ROWS;

[courseResource]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/courseResource.csv'  
INTO TABLE courseResource  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[activities]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/activities.csv'  
INTO TABLE activities  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[quiz]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/quiz.csv'  
INTO TABLE quiz  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[assignment]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/assignment.csv'  
INTO TABLE assignment  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[forum]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/forum.csv'  
INTO TABLE forum  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[qScore]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/qScore.csv'  
INTO TABLE qScore  
FIELDS TERMINATED BY ','  
LINES TERMINATED BY '\n'  
IGNORE 1 ROWS;
```

[aScore]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/qScore.csv'
INTO TABLE qScore
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
```

[topic]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/topic.csv'
INTO TABLE topic
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
```

[comment]

```
LOAD DATA INFILE '/home/riziry/Downloads/LMSdataset/comment.csv'
INTO TABLE comment
FIELDS TERMINATED BY ','
LINES TERMINATED BY '\n'
IGNORE 1 ROWS;
```

This in snapshot after i insert data of all the table

Table	Action	Rows	Type	Collation	Size	Overhead
<input type="checkbox"/> activities	★ Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> aScore	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> assignment	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> comment	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> courseResource	★ Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> courses	★ Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> forum	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> lecturer	★ Browse Structure Search Insert Empty Drop	30	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> ITeachCourse	★ Browse Structure Search Insert Empty Drop	35	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> qScore	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	64.0 KiB	-
<input type="checkbox"/> quiz	★ Browse Structure Search Insert Empty Drop	12	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> sTakenCourse	★ Browse Structure Search Insert Empty Drop	34	InnoDB	utf8mb4_general_ci	48.0 KiB	-
<input type="checkbox"/> students	★ Browse Structure Search Insert Empty Drop	34	InnoDB	utf8mb4_general_ci	16.0 KiB	-
<input type="checkbox"/> test	★ Browse Structure Search Insert Empty Drop	0	InnoDB	utf8mb4_general_ci	32.0 KiB	-
<input type="checkbox"/> topic	★ Browse Structure Search Insert Empty Drop	10	InnoDB	utf8mb4_general_ci	32.0 KiB	-
15 tables	Sum	295	InnoDB	utf8mb4_general_ci	560.0 KiB	0 B

Project full folder

<https://drive.google.com/drive/folders/1RwgaPQoG-fu6Z7r4koKVV7PpQ3Yzufh?usp=sharing>