

Programme Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_**BCS(Hons.)**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Course Code: **\_CSC 1403**\_\_\_\_\_\_\_\_\_

Course Name: \_\_\_\_**Database concept**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Assignment / **Lab Sheet** / Project / Case Study No. \_\_**3**\_\_

**Submitted By: Submitted To:**

Student Name: **Dipesh Tha Shrestha** Faculty Name: **Amar Subedi**

IUKL ID:

Department: **LMS**

Semester**: 2nd sem**

Intake: **September 2019**

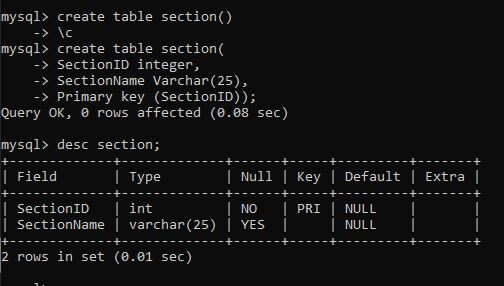
# 1. Table section creation:

**Syntax:** CREATE TABLE *table\_name*(*column1 datatype*, *column2 datatype*);

create table ***section***(***sectionID integer(10)*, *sectionName varchar(25****)*);

**Define:** used for creating table.

# Output:

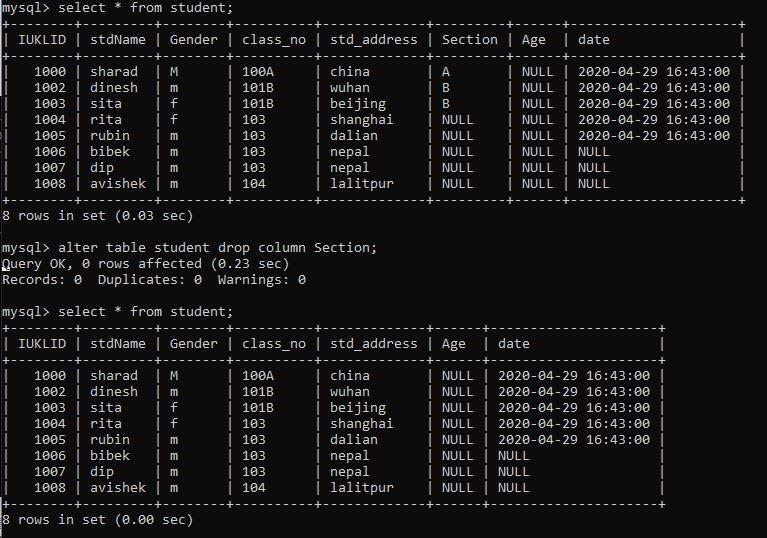


**2. Drop specific column:**

**Syntax:** ALTER TABLE *table\_name* DROP Column *column\_name*; alter table ***student*** drop column ***section***;

**Define:** used for deleting the particular column from the table.

# Output:

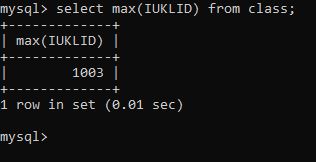


**3. Identify maximum, minimum, average, a. count: Maximum:**

**Syntax:** SELECT max(*column\_name*) FROM *table\_name*; select **max**(**iuklID**) from **class**;

**Define:** used for finding the maximum value from the column in the table.

# Output:

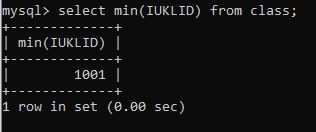


**b. Minimum:**

**Syntax:** SELECT min(*column\_name*) FROM *table\_name*; select **min**(**iuklID**) from **class**;

**Define:** usedfor finding the minimum value from the column in the table.

# Output:

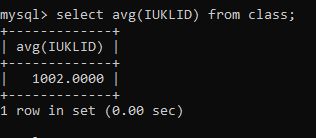


**c. Average:**

**Syntax:** SELECT avg(*column\_name*) FROM *table\_name*; select **avg**(**iuklID**) from **class**;

**Define:** used for finding the average value from the column in the table.

# Output:

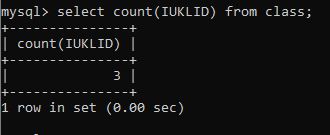
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**d. Count:**

**Syntax:** SELECT count(*column\_name*) FROM *table\_name*; select **count**(**iuklID**) from **class**;

**Define:** used for counting the number of data in the column in the table.

# Output:

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**4: As**

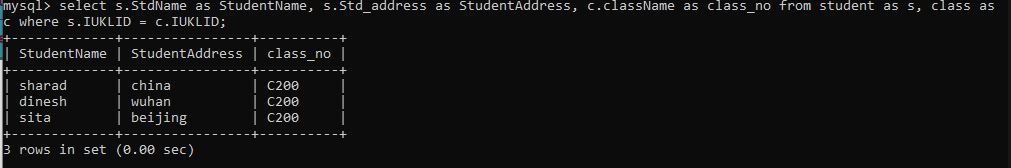
**Syntax:** SELECT s.StdName as StudentName,

s.StdAddress as StudentAddress,

c.className as StudentClassName from student as s, class as c where s.iuklID=c.iuklID;

**Define:** used for renaming column name temporary.

# Output:

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**5. Join table student and class with their iuklID and StdAddress**

**Syntax:** SELECT temporary\_*table\_name1* . *column\_name1* as *temporary\_column\_name1*,

temporary\_*table\_name1* . *column\_name2* as *temporary\_column\_name2*, temporary\_*table\_name2* . *column\_name1* as *temporary\_column\_name1*

FROM *table\_name1* as *temporary\_table\_name1*, *table\_name2* as *temporary\_table\_name1*

WHERE

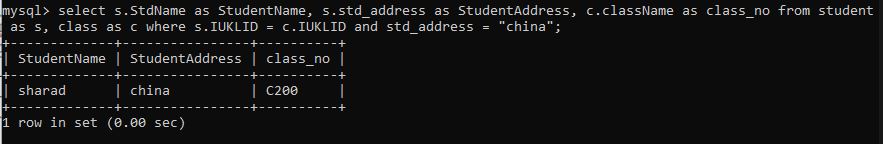
*table\_name1* . *column\_name1* = *table\_name2* . *column\_name1* AND *table\_name1* . *column\_name1*

= ‘value1’;

select ***s***.***StdName*** as ***StudentName***, ***s***.***StdAddress*** as ***StudentAddress***, ***c***.***className*** as ***StudentClassName*** from ***student*** as ***s***, ***class*** as ***c***

where ***s***.***iuklID***=***c***.***iuklID*** and ***StdAddress***=***‘Butwal’***;

# Output:

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