Information System Management Lab BCOM 307

Assignment #5

Submitted by:

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Class: B.COM(H)
Section: B.Com 5A

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Submitted to:

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Department of Commerce
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Assignment No.5 Unit No:

Course/Subject Code: BCOM 307 Subject Title: Information System Management Lab
Issue Date: Last Date of Submission:

Instructions for Students:

1. All Questions are Compulsory.

- 2. The student should attach proper cover page for each assignment clearly mentioning the Assignment No.
- 3. Each assignment should be prepared by the student individually with proper explaination and screenshots.
- 4. A4 size ruled sheets should be used for the assignment.
- 5. Assignment pages should be serially numbered at the bottom of page.

During online education mode, upload scanned copy of the complete assignment including cover page latest by due date.

QuestionNo.	Question	CO No.
1	Create a table 'Student' with the following columns :- • Enrollment No (Primary key) • Name • Email ID • Address • Mobile • Date of Birth • Marks	CO1
2	Insert 3 records in the 'student' table, with distinct values of enrollment number.	
3	Insert another record, where enrollment number is same as any one of the 3 records inserted, and all other values different.	
4	Insert another record, this time keeping enrollment number different, and all the other values same as any of the records inserted in the table.	

ASSIGNMENT 5 - PRIMARY KEY CONSTRAINT

Task 1: Create a table 'Student' with the following columns:-

- 1. Enrollment No (Primary key)
- 2. Name
- 3. Email ID
- 4. Address
- 5. Mobile
- 6. Date of Birth
- 7. Marks

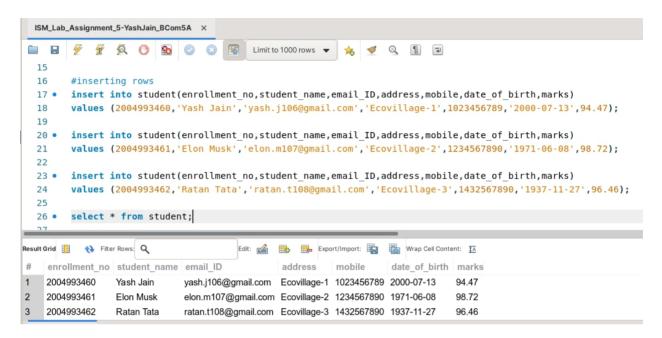
The following task is completed using the 'create table' command, along with the 'primary key constraint'. Primary Key is one or more columns that uniquely identifies each row in the table. It means that each row value in this column would be distinct; there won't be any duplicate values. The syntax for primary key (to be used in table definition) is:

```
column_name datatype primary key,
(rest of the table definition)
```

```
ISM_Lab_Assignment_4-YashJain_BCom5A X
                                             ISM_Lab_Assignment_5-YashJain_BCom5A*
                                             18
                                                                                     \P
                                                                                          41
                                                   Limit to 1000 rows -
                                                                                 Q
    3 • ⊝ create table student (
          enrollment no int(10) primary key,
          student name varchar(20),
    5
    6
          email ID varchar(20),
          address varchar(30),
    7
          mobile int(10),
    8
          date of birth date,
    9
          marks float(5,2)
   10
   11
          );
           desc student;
   12 •
Result Grid 🏢 Filter Rows: Q
                                          Export: Wrap Cell Content: TA
#
     Field
                              Null Key Default Extra
                   Type
1
     enrollment no int
                              NO
                                   PRI
                                        NULL
2
     student_name varchar(20) YES
                                         NULL
3
     email ID
                   varchar(20) YES
                                         NULL
4
     address
                   varchar(30) YES
                                         NULL
5
     mobile
                   int
                              YES
                                         NULL
6
     date_of_birth
                  date
                              YES
                                         NULL
     marks
                   float(5,2)
                              YES
                                         NULL
  Result 2 ×
```

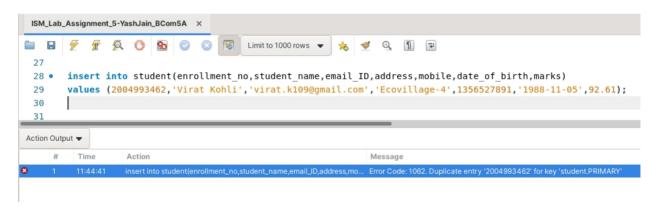
Task 2: Insert 3 records in the 'student' table, with distinct values of enrollment number.

The given task can be completed using the 'insert into' command. Note that when you will enter values, you cannot enter duplicate values in the primary key column, as it will show an error.



Task 3: Insert another record, where enrollment number is same as any one of the 3 records inserted, and all other values different.

This task can be completed by using the command 'insert into'. Here, one will observe that this query won't be completed. This is because enrollment number is a primary key, hence we cannot enter duplicate values for it.



Task 4: Insert another record, this time keeping enrollment number different, and all the other values same as any of the records inserted in the table.

This task can be completed using the 'insert into' command. One would observe that this query will be completed, since the enrollment number is unique (required as per primary key constraint), but the other columns are not primary keys, hence their values can repeat.

BCOM 307 Information System Management Lab

