PBHINDU. D

SSCSE

Buestion - 3

Rollm:5 (1) CREDTE the sables; sondert (S-id, name, gender, dob, dept-m) Desartment (dest-ro, dest-rame)
faculty (+-id, name, deingration salary, dest-ro)

> CREDITE DATABASE College;

> USE collège

7 snow tables,

rame muchas (25) not mill, gender chaeld, dob date mot mill, dept-no vit met mill);

- CRESTE TROCK Défartment (deste no est primary key met mul, dept name varehas (20).

> CREDGE TOBLE FACULTY (F-id cost primary key not sull, name vaietsas (25) not mill, dingralion Mulhar (28) mot mill salary various (28) mot mill, dest mot mill);

a Desurbe structure of all sable.

> Describe smident;

> Desurbe Defaitment;

> Desurbe faculty;

(ii) Modify she student able to add a new field gaze, > ALTER TABLE Student

-> ADD Wolumn Grade Char (1); W coset a cease of suples viso each soubly > (NSERT 1010 Student (s_id, name, gender, dot dept_no, grade) value (1, gohn, 4), 2018-10-09', 101, 19'); 7 bisect iso sondert Cs-id, name, gender, dob, dept no, grade) valle (a, 'Abbrinav', 'M', '2000-08-29', 102, 17); - consert use student (s-id, name, gender, dob, dept. no, grade) value (3, 'Deyska', 4', 2000-03-19', 103, 18), > MSERT WTO Student (s-id, name, gender, dob, olytimo, grade) value (4, 'Rapmilla', 'F', '2001-05-11', 104, 'c'); 7 INSERT INTO student (S.id, name, gerder, dos, dept-no.
grade) value (5, Value), M, (2001-01-01-105, B). > INSERT UNTO Department (Dept no, dept name) values > Insut who Department (Dept-no, dept name) values (102, "computer"); > insert visto defartment (dept_no, dept_name) Values (103, "electrical").

- > UNSERT UNDO DEpaisment (Dept. no, dept name) values.
- > (NSERT COST Affactment (Dyfor, dyforum) value (105, Mechanical);
- 7 INSERT COURD faculty (Find, name, designation, salary, destin) Values (1001, (Amidba), (PRINCIPAL 1, 100000, 1000),
- > UNSTRI UNTO faculty [Fid, name, designation, salary, dept no) Values (1002, '8mm°812', 'prot', 70000.101);
- T (NSERT INTO faulty (Ed, mane, designation, salary desire) Values (1003, 'hilesh', 'prot', 20000, 103);
- > Insut into faculty (Fed, name, dissignation, salary, dept. m) Value (1004, Nikerb', 'prof', 80000, 104);
- > Insert into family (Fid, name, designation, salary, dept_no) Values (1005, 'shibu', prof', 75000, 105);
- D'List the details of students in the ascending order > Select + from student order by deb asc;

 - (ii) Display the details of students from computer offating,
 - > Select * from sondert where dest no= (select
 dept-no from department where dest name = "computed"). The List the faculties in the descending order of salary
 - > Select * from faculty order by salary den;

```
Welcome to the MySQL monitor. Commands end with ; or ackslash g.
Your MySQL connection id is 32
Server version: 8.0.20 MySQL Community Server - GPL
Copyright (c) 2000, 2020, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> CREATE DATABASE college;
Query OK, 1 row affected (0.01 sec)
mysql> USE college;
Database changed
mysql> show tables;
Empty set (0.01 sec)
mysql> CREATE TABLE Student (S_id int primary key not null, name varchar(25)not null, gender char(1), dob date not null,dept_no int not null);
Query OK, O rows affected (0.07 sec)
mysql> CREATE TABLE Department (dept_no int primary key not null, dept_name varchar(25));
Query OK, 0 rows affected (0.07 sec)
mysql> CREATE TABLE Faculty (F_id int primary key not null, name varchar(25)not null , designation varchar(25) not null, salary varchar(25)not null,dept_no i
nt not null);
Query OK, 0 rows affected (0.39 sec)
mysql> DESCRIBE Student:
                          Null | Key | Default | Extra
 Field
            Type
 s_id
                          NO
                                       NULL
            int
            varchar(25)
                          NO
                                       NULL
 name
            char(1)
                          YES
 gender
                                       NULL
            date
                          NO
                                       NULL
                          NO
 dept_no
                                       NULL
5 rows in set (0.01 sec)
mysql> DESCRIBE DEpartment;
 Field
                            Nu11 |
                                         Default
              Type
                                                   Extra
                                  Key |
                                   PRI |
 dept_no
              int
                                         NULL
                            NO
             varchar(25)
 dept_name
                                         NULL
2 rows in set (0.00 sec)
                                                               x<sup>8</sup> ∧ ⊕ □ □ □ D) ENG
     > Type here to search
                                                                                                                                                        08-Sep-20
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MySQL 8.0 Command Line Client - Unicode

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MySQL 8.0 Command Line Client - Unicode
mvsql> DESCRIBE Facultv:
                              Null | Key
                                          Default | Extra
 Field
                Type
 F_id
                                     PRI
                ınt
                              NO
                                           NULL
                varchar(25)
                              NO
                                           NULL
 name
 designation
                varchar(25)
                                           NULL
                              NO
 salary
                varchar(25)
                              NO
                                           NULL
 dept_no
                int
                              NO
                                           NULL
5 rows in set (0.00 sec)
mysql> ALTER TABLE Student
   -> ADD COLUMN GRADE char(1);
Query OK, O rows affected (0.03 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no) VALUES (1,'john','M','2018-10-09',101,'A');
ERROR 1136 (21SO1): Column count doesn't match value count at row 1
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no,grade) VALUES (1,'john','M','2018-10-09',101,'A');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no,grade) VALUES (2,'Abhinav','M','2000-08-29',102,'A');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no,grade) VALUES (3,'Deepika','F','2000-03-19',103,'B');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no,grade) VALUES (4,'Rasmika','F','2001-05-11',104,'C');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student (S_id, name, gender, dob,dept_no,grade) VALUES (5,'Virat','M','2001-01-01',105,'B');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Department (dept_no, dept_name) VALUES (101, CIVIL');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Department (dept_no, dept_name)    VALUES (102,'COMPUTER');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Department (dept_no, dept_name)    VALUES (103,'ELECTRICAL');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Department (dept_no, dept_name)    VALUES (104,'ELECTRONICS');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Department (dept_no, dept_name)    VALUES (104,'MECHANICAL');
ERROR 1062 (23000): Duplicate entry '104' for key 'department.PRIMARY'
mysql> INSERT INTO Department (dept_no, dept_name)    VALUES (105,'MECHANICAL');
Query OK, 1 row affected (0.01 sec)
                                                                    A ∧ ( □ t) ENG
 Type here to search
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08-Sep-20

mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1001,'Anitha','PRINCIPAL',100000,102); Query OK, 1 row affected (0.01 sec) mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1002,'Smitha','Prof',70000,101);,10 Query OK, 1 row affected (0.01 sec) -> ^C mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1002,'Smitha','Prof',70000,101); ERROR 1062 (23000): Duplicate entry '1002' for key 'faculty.PRIMARY' mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1003,'Gilesh,'Prof',90000,103); '> ^C mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1003,'Gilesh','Prof',90000,103); Query OK, 1 row affected (0.01 sec)mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1005,'Nikesh','Prof',80000,104); Query OK, 1 row affected (0.01 sec) mysql> INSERT INTO Faculty (F_id, name, designation, salary,dept_no) VALUES (1004,'Shibu','Prof',75000,105);

mysql> select *from student;

Query OK, 1 row affected (0.01 sec)

			L		
S_id	name	gender	dob	dept_no	GRADE
2 3 4		M M F F	2018-10-09 2000-08-29 2000-03-19 2001-05-11 2001-01-01	101 102 103 104 105	A

5 rows in set (0.00 sec)

mysql> select *from faculty;

<u> </u>	L	L		
F_id	name	designation	salary	dept_no
1001 1002 1003 1004 1005	Anitha Smitha Gilesh Shibu Nikesh	PRINCIPAL Prof Prof Prof Prof	100000 70000 90000 75000 80000	102 101 103 105 104
+				

5 rows in set (0.00 sec)

mysql> select *from department;

dept_no | dept_name

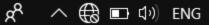












```
5 rows in set (0.00 sec)
mysql> select *from department;
 dept_no
           dept_name
           CIVIL
     102
           COMPUTER
     103
           ELECTRICAL
     104
           ELECTRONICS
     105
           MECHANICAL
5 rows in set (0.00 sec)
mysql> Select *from student order by dob asc;
                                                 GRADE
 S_id | name
                  gender
                           dob
                                       dept_no |
                                           103
        Deepika |
                           2000-03-19
        Abhinav |
                           2000-08-29
                                           102
                           2001-01-01
                                            105
        Virat
        Rasmika
                           2001-05-11
                                           104
                           2018-10-09
                                            101 | A
    1 | john
5 rows in set (0.00 sec)
mysql> select * from student where dept_no=(select dept_no from department where dept_name='computer science');
Empty set (0.00 sec)
mysql> select * from student where dept_no=(select dept_no from department where dept_name='computer');
                                       dept_no | GRADE
 S_id | name
                  gender
                           2000-08-29
    2 | Abhinav | M
                                            102 | A
1 row in set (0.00 sec)
mysql> Select *from faculty order by salary desc;
                              salary | dept_no
 F_id | name
                 designation
        Gilesh
 1003
                               90000
                                            103
                 Prof
        Nikesh
                 Prof
                               80000
                                           104
 1005
 1004
        Shibu
                 Prof
                               75000
                                            105
                                            101
 1002
        Smitha
                               70000
                 Prof
                                            102
 1001
                PRINCIPAL
                               100000
        Anitha
5 rows in set (0.00 sec)
mysql> _

∠ Type here to search
```

MySQL 8.0 Command Line Client - Unicode

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08-Sep-20