QUESTION NO.06 [CHEATS DBMS]

Q.6 Design College database with three entities
Student(rollno,sname,address,mobileno,branch,emailadd)
Teacher(id,name,sub_taught,qualification,designation,salary)
Placements(rollno,branch,placedstudent_name,company_name,package_offered)

a)Implement commands for adding date of admission column in student table
b)Display admission date by using date related command
c)Create fourth table named Best which will display
rollno,sname,company_name,package_offered)

ANSWER :

Enter password: ***********

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 14

Server version: 8.0.36 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;

+--------------------+

| Database |

+--------------------+

| cheat5 |

| college |

| information_schema |

```
| member           |
| mysql            |
| performance_schema |
| sakila           |
| student          |
| sys              |
| test             |
| world            |
+--------------------+
11 rows in set (0.01 sec)


mysql> use college;
Database changed
mysql> show tables;
+-------------------+
| Tables_in_college |
+-------------------+
| placement         |
| student           |
| student1          |
| teacher           |
+-------------------+
4 rows in set (0.01 sec)


mysql> desc student1;
+----------+-------------+------+-----+---------+-------+
| Field    | Type        | Null | Key | Default | Extra |
+----------+-------------+------+-----+---------+-------+
| rollno   | int         | NO   | PRI | NULL    |       |
| sname    | varchar(20) | YES  |     | NULL    |       |
| address  | varchar(50) | YES  |     | NULL    |       |
```

mobileno	mediumtext	YES		NULL	
branch	mediumtext	YES		NULL	
emailadd	varchar(50)	YES		NULL	
marks	int	YES		NULL	
age	int	YES		NULL	

8 rows in set (0.01 sec)

mysql> select * from student1;

rollno	sname	address	mobileno	branch	emailadd	marks	age
3	raviraj	shardanagar	9405060708	IT	meghrajbhosale@gmail.com	99	NULL
5	Ankit	malkapur	8010112818	COMP	ankitbharambe@gmail.com	98	NULL
15	pravin	solapur	9449944949	IT	prrathod@gmail.com	72	NULL
16	rushikesh	pandharpur	9449944994	IT	rushikeshW@gmail.com	79	NULL
37	varad	vaibhavvadi	9494949494	AIDS	varadb@gmail.com	89	NULL

5 rows in set (0.00 sec)

mysql> desc teacher;

Field	Type	Null	Key	Default	Extra
id	int	NO	PRI	NULL	
name	varchar(20)	YES		NULL	
sub_tought	mediumtext	YES		NULL	
qualification	mediumtext	YES		NULL	
designation	mediumtext	YES		NULL	
salary	int	YES		NULL	

6 rows in set (0.00 sec)

mysql> select * from teacher;

```
+----+--------------+-------------+---------------+---------------+--------+
| id | name         | sub_tought  | qualification | designation   | salary |
+----+--------------+-------------+---------------+---------------+--------+
|  4 | bhagawat sir | PA AND OOP  | PHD           | PROFESSOR     |  80000 |
|  5 | kokare mam   | DBMS        | ME            | ASS.PROFESSOR |  75000 |
|  7 | jadhav sir   | M3          | ME            | ASS.PROFESSOR |  70000 |
|  8 | sakhare mam  | SE AND BCN  | ME            | ASS.PROFESSOR |  75000 |
+----+--------------+-------------+---------------+---------------+--------+
```
4 rows in set (0.00 sec)

mysql> desc placement;

```
+-------------------+-------------+------+-----+---------+-------+
| Field             | Type        | Null | Key | Default | Extra |
+-------------------+-------------+------+-----+---------+-------+
| rollno            | int         | YES  |     | NULL    |       |
| branch            | varchar(20) | YES  |     | NULL    |       |
| placedstudentname | varchar(20) | YES  |     | NULL    |       |
| companyname       | varchar(20) | YES  |     | NULL    |       |
| packageoffered    | int         | YES  |     | NULL    |       |
+-------------------+-------------+------+-----+---------+-------+
```
5 rows in set (0.01 sec)

mysql> select * from placement;

```
+--------+--------+-------------------+-------------+----------------+
| rollno | branch | placedstudentname | companyname | packageoffered |
+--------+--------+-------------------+-------------+----------------+
|      3 | IT     | meghraj           | TCS         |         500000 |
|     37 | AIDS   | varad             | TCS         |        1000000 |
```

| 27 | mech | ajinkya | mahindra | 700000 |

| 48 | ENTC | rachit | vipro | 750000 |

| 75 | IT | ismail | cognizant | 750000 |

+--------+--------+------------------+------------+---------------+

5 rows in set (0.00 sec)

mysql> ALTER TABLE student1 ADD Admission_date DATE;

Query OK, 0 rows affected (0.04 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> SELECT * FROM student1;

+--------+-----------+-------------+------------+--------+------------------------+-------+------+---------------+

| rollno | sname | address | mobileno | branch | emailadd | marks | age | Admission_date |

+--------+-----------+-------------+------------+--------+------------------------+-------+------+---------------+

| 3 | raviraj | shardanagar | 9405060708 | IT | meghrajbhosale@gmail.com | 99 | NULL | NULL |

| 5 | Ankit | malkapur | 8010112818 | COMP | ankitbharambe@gmail.com | 98 | NULL | NULL |

| 15 | pravin | solapur | 9449944949 | IT | prrathod@gmail.com | 72 | NULL | NULL |

| 16 | rushikesh | pandharpur | 9449944994 | IT | rushikeshW@gmail.com | 79 | NULL | NULL |

| 37 | varad | vaibhavvadi | 9494949494 | AIDS | varadb@gmail.com | 89 | NULL | NULL |

+--------+-----------+-------------+------------+--------+------------------------+-------+------+---------------+

5 rows in set (0.00 sec)

mysql> UPDATE student1 SET Admission_date="2023-07-14" WHERE rollno=3;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> select * from student1;

```
+--------+-----------+-------------+------------+--------+------------------------+-------+------+----------------+
| rollno | sname     | address     | mobileno   | branch | emailadd               | marks | age  | Admission_date |
+--------+-----------+-------------+------------+--------+------------------------+-------+------+----------------+
|      3 | raviraj   | shardanagar | 9405060708 | IT     | meghrajbhosale@gmail.com |  99 | NULL | 2023-07-14     |
|      5 | Ankit     | malkapur    | 8010112818 | COMP   | ankitbharambe@gmail.com |  98 | NULL | NULL           |
|     15 | pravin    | solapur     | 9449944949 | IT     | prrathod@gmail.com      |  72 | NULL | NULL           |
|     16 | rushikesh | pandharpur  | 9449944994 | IT     | rushikeshW@gmail.com    |  79 | NULL | NULL           |
|     37 | varad     | vaibhavvadi | 9494949494 | AIDS   | varadb@gmail.com        |  89 | NULL | NULL           |
+--------+-----------+-------------+------------+--------+------------------------+-------+------+----------------+
```
5 rows in set (0.00 sec)

mysql> UPDATE student1 SET Admission_date="2023-07-18" WHERE rollno=5;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE student1 SET Admission_date="2023-07-28" WHERE rollno=15;

Query OK, 1 row affected (0.00 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE student1 SET Admission_date="2023-07-22" WHERE rollno=16;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

mysql> UPDATE student1 SET Admission_date="2023-07-20" WHERE rollno=37;

Query OK, 1 row affected (0.01 sec)

Rows matched: 1 Changed: 1 Warnings: 0

```
mysql> select * from student1;

+--------+----------+-------------+------------+--------+------------------------+-------+------+---------------+
| rollno | sname    | address     | mobileno   | branch | emailadd               | marks | age  | Admission_date |
+--------+----------+-------------+------------+--------+------------------------+-------+------+---------------+
|      3 | raviraj  | shardanagar | 9405060708 | IT     | meghrajbhosale@gmail.com |   99 | NULL | 2023-07-14    |
|      5 | Ankit    | malkapur    | 8010112818 | COMP   | ankitbharambe@gmail.com |   98 | NULL | 2023-07-18    |
|     15 | pravin   | solapur     | 9449944949 | IT     | prrathod@gmail.com      |   72 | NULL | 2023-07-28    |
|     16 | rushikesh | pandharpur | 9449944994 | IT     | rushikeshW@gmail.com    |   79 | NULL | 2023-07-22    |
|     37 | varad    | vaibhavvadi | 9494949494 | AIDS   | varadb@gmail.com        |   89 | NULL | 2023-07-20    |
+--------+----------+-------------+------------+--------+------------------------+-------+------+---------------+
5 rows in set (0.00 sec)


mysql> SELECT rollno,sname,Admission_date FROM student;
ERROR 1054 (42S22): Unknown column 'Admission_date' in 'field list'
mysql> SELECT rollno,sname,Admission_date FROM student1;
+--------+----------+---------------+
| rollno | sname    | Admission_date |
+--------+----------+---------------+
|      3 | raviraj  | 2023-07-14    |
|      5 | Ankit    | 2023-07-18    |
|     15 | pravin   | 2023-07-28    |
|     16 | rushikesh | 2023-07-22   |
|     37 | varad    | 2023-07-20    |
+--------+----------+---------------+
5 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE best(rollno int,sname varchar(255),college_name
varchar(255),package_offered int,PRIMARY KEY (rollno),FOREIGN KEY (rollno) REFERENCES
student1(rollno));

Query OK, 0 rows affected (0.03 sec)


mysql> desc best;

+-----------------+--------------+------+-----+---------+-------+
| Field           | Type         | Null | Key | Default | Extra |
+-----------------+--------------+------+-----+---------+-------+
| rollno          | int          | NO   | PRI | NULL    |       |
| sname           | varchar(255) | YES  |     | NULL    |       |
| college_name    | varchar(255) | YES  |     | NULL    |       |
| package_offered | int          | YES  |     | NULL    |       |
+-----------------+--------------+------+-----+---------+-------+
4 rows in set (0.01 sec)


mysql> select * from best;
Empty set (0.00 sec)


mysql>
```