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GROUP A
                           ASSIGNMENT NO 2
* SQL Queries - all types of Join, Sub-Query and View:
* Write at least10 SQL queries for suitable database application using SQL DML*
* statements.
*************************************
mysql> show databases;
+----+
Database
+-----+
| information_schema |
mysql
| performance_schema |
sys
+-----+
5 rows in set (0.00 sec)
mysql> create database practical;
Query OK, 1 row affected (0.02 sec)
mysql> use practical;
Database changed
mysql> CREATE TABLE Student (
      id int PRIMARY KEY AUTO INCREMENT,
      admission no varchar(45) NOT NULL,
      first name varchar(45) NOT NULL,
      last_name varchar(45) NOT NULL,
      age int,
      city varchar(25) NOT NULL
      );
Query OK, 0 rows affected (0.10 sec)
mysql> CREATE TABLE Fee (
   -> admission_no varchar(45) NOT NULL,
   -> course varchar(45) NOT NULL,
    -> amount_paid int
   -> );
Query OK, 0 rows affected (0.08 sec)
INSERT INTO Student(admission_no, first_name, last_name, age, city) VALUES
(1001, 'Shital', 'Gayke', 18, 'Sinnar');
Query OK, 1 row affected (0.01 sec)
INSERT INTO Student(admission_no, first_name, last_name, age, city) VALUES
(1002, 'Sakshi', 'More', 19, 'Nashik')
INSERT INTO Student(admission_no, first_name, last_name, age, city) VALUES
(1003, 'Nidhi', 'Jadhav', 17, 'Nashik');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student(admission_no, first_name, last_name, age, city)
VALUES (1004, 'Ajay', 'Mendade', 18, 'Satpur');
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Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Student(admission no, first name, last name, age, city)
VALUES (1005, 'Prashant', 'More', 19, 'Wani');
Query OK, 1 row affected (0.02 sec)
INSERT INTO Student(admission_no, first_name, last_name, age, city) VALUES
(1006, 'Alok', 'Pandit', 18, 'Nashik');
Query OK, 1 row affected (0.02 sec)
mysql> INSERT INTO Student(admission no, first name, last name, age, city)
VALUES (1007, 'Sanju', 'Banka', 18, 'Bhagur');
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Fee (admission_no, course, amount_paid) VALUES
    -> (1001, 'Android', 10000);
Query OK, 1 row affected (0.06 sec)
mysql> INSERT INTO Fee (admission no, course, amount paid) VALUES (1002, 'Data
Science',15000);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Fee (admission_no, course, amount_paid) VALUES
(1003, 'SQL', 18000);
Query OK, 1 row affected (0.01 sec)
mysql> INSERT INTO Fee (admission no, course, amount paid) VALUES
(1004, 'Python', 20000);
Query OK, 1 row affected (0.02 sec)
mysql> INSERT INTO Fee (admission_no, course, amount_paid) VALUES
(1005, 'Java', 8000);
Query OK, 1 row affected (0.01 sec)
INSERT INTO Fee (admission_no, course, amount_paid) VALUES (1010, 'Machine
Learning',25000);
Query OK, 1 row affected (0.02 sec)
mysql> INSERT INTO Fee (admission_no, course, amount_paid) VALUES (1011,'Cyber
Security',22000);
Query OK, 1 row affected (0.01 sec)
mysql> SELECT * FROM Student;
+---+----+
| id | admission_no | first_name | last_name | age | city |
1 | 1001 | Shital | Gayke | 18 | Sinnar |
                     Sakshi
                                    More
                                                | 19 | Nashik |
  2 | 1002
                                   | Jadhav | 17 | Nashik |
  3 | 1003
                     Nidhi

      3 | 1005
      | NIGHT
      | Jadhav
      | 17 | Nashik |

      4 | 1004
      | Ajay
      | Mendade
      | 18 | Satpur |

      5 | 1005
      | Prashant
      | More
      | 19 | Wani |

      6 | 1006
      | Alok
      | Pandit
      | 18 | Nashik |

      7 | 1007
      | Sanju
      | Banka
      | 18 | Bhagur |
```

7 rows in set (0.00 sec)

mysql> SELECT \* FROM Fee;

+	L	L
admission_no	course	amount_paid
1001   1002   1003   1004   1005   1010	Android Data Science SQL Python Java Machine Learning Cyber Security	10000   15000   18000   20000   8000   25000
1		!

7 rows in set (0.00 sec)

mysql> SELECT s.admission\_no,s.first\_name,s.last\_name,f.course,f.amount\_paid
FROM Student s

INNER JOIN Fee f

ON s.admission\_no = f.admission\_no;

admission_no	first_name	+   last_name	course	+   amount_paid
1001	Shital	Gayke	Android	10000
1002	Sakshi	More	Data Science	15000
1003	Nidhi	Jadhav	SQL	18000
1004	Ajay	Mendade	Python	20000
1005	Prashant	More	Java	8000

5 rows in set (0.01 sec)

mysql> SELECT s.admission\_no,s.first\_name,s.last\_name,f.course,f.amount\_paid
FROM Student s LEFT JOIN Fee f ON s.admission\_no = f.admission\_no;

admission_no	+		<b></b>	<b></b>	<b></b>	<b></b>
1002		admission_no	first_name	last_name	course	amount_paid
1007   Sanju   Banka   NULL   NULL	#         	1002 1003 1004 1005	Sakshi Nidhi Ajay Prashant	More Jadhav Mendade More	Data Science SQL Python Java	15000   18000   20000   8000
_+		1007	Sanju	Banka	NULL	NULL

7 rows in set (0.01 sec)

mysql> SELECT s.admission\_no,s.first\_name,s.last\_name,f.course,f.amount\_paid
FROM Student s RIGHT JOIN Fee f ON s.admission\_no = f.admission\_no;

		first_name	   last_name	   course	++   amount_paid   +
	1001   1002	Shital Sakshi	Gayke More	Android   Data Science	10000     15000
	1003	Nidhi	Jadhav	SQL	18000

1004	Ajay	Mendade	Python	20000
1005	Prashant	More	Java	8000
NULL	NULL	NULL	Machine Learning	25000
NULL	NULL	NULL	Cyber Security	22000
	1			

7 rows in set (0.00 sec)

mysql> SELECT s.admission\_no,s.first\_name,s.last\_name,f.course,f.amount\_paid
FROM Student s FULL JOIN Fee f ON s.admission\_no = f.admission\_no;

1001	admission_no	+   first_name	last_name	course	++   amount_paid   +
	1002   1003   1004   1005   1006   1007   1010	Sakshi   Nidhi   Ajay   Prashant   Alok   Sanju   NULL	More Jadhav Mendade More Pandit Banka NULL	Data Science   SQL   Python   Java   NULL   NULL	15000   18000   20000   8000   NULL   NULL   25000

mysql> select \* FROM Fee where amount\_paid = (select min(amount\_paid) FROM Fee);

admission_no	course	amount_paid
1005	Java	8000

7 rows in set (0.00 sec)

mysql>