**KIET GROUP OF INSTITUTIONS**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**LAB ASSIGNMENT 5**

**DBMS Lab (KCA – 252)**

**SATYAM GUBRELE**

**42**

1. Demonstrate the use of all string functions available in SQL.
2. Design the following table and solve the queries

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Roll | F\_Name | M\_Name | L\_Name | Sec | City | Area | HouseNo | Div |
| 1 | Akash | Kumar | Jian | A | Ghaziabad | Rakesh Marg | C-355 | 1 |
| 2 | Manav | Mohan | Sharma | A | Ghaziabad | Raj nagar | D-211 | 2 |
| 3 | Chandra | Mohan | Batra | B | Meerut | Minto Road | A-201 | 3 |
| 4 | Rakesh | Chandra | Gupta | B | Kanpur | Nehru Marg | A-145 |  |
| 5 | Sagar | Pratap | Singh | A | Meerut | Gandhi marg | C-35 | 0 |
|  |  |  |  |  |  |  |  |  |

CODE

CREATE TABLE DETAILS(

ROLL NUMBER(5),

F\_NAME VARCHAR(20),

M\_NAME VARCHAR(20),

L\_NAME VARCHAR(20),

SEC VARCHAR(2),

CITY VARCHAR(10),

AREA VARCHAR(20),

HOUSENO VARCHAR(20),

DIV NUMBER(2)

);

ALTER TABLE DETAIL ADD();

DROP TABLE DETAILS;

INSERT INTO DETAILS VALUES(1 ,'Akash','Kumar','Jian','A','Ghaziabad ',' Rakesh Marg','C-355',1);

INSERT INTO DETAILS VALUES(2 ,'Manav','Mohan','Sharma','A','Ghaziabad ','Rakesh Marg ',' D-211',2);

INSERT INTO DETAILS VALUES(3 ,'Chandra','Mohan','Batra','B',' Meerut','Minto Road ','A-201',3);

INSERT INTO DETAILS VALUES(4 ,'Rakesh','Chandra','Gupta','B',' Kanpur','Minto Road ','A-145',null );

INSERT INTO DETAILS VALUES(4 ,'Sagar','Pratap',' Singh','A','Meerut ','Gandhi marg','C-35',0);

1. Display Roll Number and complete name of all the students
2. Display Roll Number, Name and complete address of all the students.
3. Display Roll number, Name of all the students. (Note – The name should be displayed as A.K.Jain )
4. Display all the student information according to ascending order of Section.
5. Display all the student information according to descending order of Section.
6. Sort all the records according to section and then according to First Name.
7. Display Roll number, name and city of all the students. (Note – City names should be left padded with 5 \*s).
8. Display those student details whose division has not been awarded.
9. Display the cities from where the students are from.
10. Display Roll number, First Name and the division got. (Note – Division should be displayed as 1- FIRST, 2 – SECOND, 3 – THIRD, 0- FAIL, NULL – NOT AWARDED)
11. Display Roll Number, First Name, Section of all the students. (Note – Section A should be displayed as 1 and Section B should be displayed as 2)
12. Solve the following query

|  |  |
| --- | --- |
| Empcode | Empname |
| E1 | 001Rajkumar |
| E2 | Ramkumar002 |
| E3 | Ravikumar003 |

Output should

|  |  |
| --- | --- |
| Empcode | Empname |
| E1 | Rajkumar |
| E2 | Ramkumar |
| E3 | Ravikumar |

1. Solve the following query

|  |  |  |
| --- | --- | --- |
| First Name | Middle Name | Last Name |
| Pankaj | Kumar | Tiwari |
| Ashok | Kumar | Sharma |
| Arun | Kumar | Sharma |

**Output should**

|  |
| --- |
| Name |
| P. K. Tiwari |
| A. K. Sharma |
| A. K. Gupta |

1. Given the table structure with data.

|  |  |
| --- | --- |
| **Sname** | **Marks** |
| Raj | 65 |
| Amit | 32 |
| Sanjay | 45 |
| Rohit | 40 |
| Anil | 35 |

Output 1 Rule - **: Pass marks are 35.**

**Display the result as**

|  |  |
| --- | --- |
| **Sname** | **Result** |
| Raj | Pass |
| Amit | Fail |
| Sanjay | Pass |
| Rohit | Pass |
| Anil | Pass |