ASSIGNMENT NO-04

Akshay S. Chavan TEB-15

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---------------------------------SCHEMAS----------------------------------

mysql> select \* from student;

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| STUDENT\_ID | STUDENT\_NAME | INSTRUCTOR\_ID | STUDENT\_CITY |

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

| 1 | Akshay | 101 | New York |

| 2 | Aditya | 105 | Rome |

| 3 | Ashutosh | 103 | Las Vegas |

| 4 | Priyanka | 107 | Paris |

| 5 | Sneha | NULL | Pakistan |

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mysql> select \* from instructor;

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

| INSTRUCTOR\_ID | INSTRUCTOR\_NAME | INSTRUCTOR\_CITY | SPECIALIZATION |

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

| 101 | A. V. Tavare | Pune | Software Engineering |

| 102 | P. S. Kamalapur | Delhi | Discrete Mathematics |

| 103 | C. R. Patil | Mumbai | Data Structures |

| 104 | M. P. Mahajan | Pune | Digital Electronics |

| 105 | A. I. Khalid | Egypt | JAVA Programming |

| 106 | A. P. Jadhav | Nashik | Python Programming |

| 107 | K. D. Munot | Chicago | Computer |

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1. Find the instructor of each student

mysql> select s.STUDENT\_NAME,i.INSTRUCTOR\_NAME from student s,instructor i where s.INSTRUCTOR\_ID=i.INSTRUCTOR\_ID;

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| STUDENT\_NAME | INSTRUCTOR\_NAME |

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

| Akshay | A. V. Tavare |

| Ashutosh | C. R. Patil |

| Aditya | A. I. Khalid |

| Priyanka | K. D. Munot |

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2.Find the students who do not have any instructor

mysql> select STUDENT\_NAME from student where INSTRUCTOR\_ID is NULL;

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| STUDENT\_NAME |

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

| Sneha |

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3.Find the student who is not having any instructor as well as instructor who is not having any students

mysql> (select STUDENT\_NAME as STUDENTS\_INSTRUCTORS from student where INSTRUCTOR\_ID is NULL) union (select i.INSTRUCTOR\_NAME from student s right join instructor i on s.INSTRUCTOR\_ID=i.INSTRUCTOR\_ID where s.INSTRUCTOR\_ID is NULL);

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

| STUDENTS\_INSTRUCTORS |

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

| Sneha |

| P. S. Kamalapur |

| M. P. Mahajan |

| A. P. Jadhav |

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4. Find the students who's instructor specialization is Computer

select s.STUDENT\_NAME from student s,instructor i where s.INSTRUCTOR\_ID=i.INSTRUCTOR\_ID and i.SPECIALIZATION="Computer";

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| STUDENT\_NAME |

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

| Priyanka |

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

5. Create a view containing total no. of students who's instructor belongs to Pune

mysql> create view v1 as select count(STUDENT\_NAME) from (select s.STUDENT\_NAME from student s, instructor i where i.INSTRUCTOR\_CITY="Pune" and s.INSTRUCTOR\_ID=i.INSTRUCTOR\_ID)stud;

mysql> select \* from v1;

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

| count(STUDENT\_NAME) |

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

| 1 |

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