Using this database CollMgmtSys, write the following queries in SQL.

1. Find the names of all Software Majors (Major = “Software” ;).

[collmgmtsys]> select \* from student where Major='Software';

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

| Snum | Name | Major | Level | Age |

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

| 101 | Susan Gurung | Software | Bachelor | 24 |

| 104 | Gopal shrestha | Software | Bachelor | 26 |

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

2. Retrieve the list of names, age and major of all the students.

[collmgmtsys]> select Name,Age,Major from student;

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

| Name | Age | Major |

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

| Susan Gurung | 24 | Software |

| Sam KC | 23 | Computer |

| Sam Rai | 25 | Electronics |

| Gopal shrestha | 26 | Software |

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

4 rows in set (0.000 sec)

3. Find the names of all Software Majors (Major = ‘Software”) who are aged more than 25.

[collmgmtsys]> select Name from student

-> where Major='Software' and Age>25;

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

| Name |

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

| Gopal shrestha |

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

1 row in set (0.002 sec)

4. Find all the students whose name start with ‘S’.

[collmgmtsys]> select Name from student

-> where Name like 'S%';

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

| Name |

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

| Susan Gurun |

| Sam KC |

| Sam Rai |

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

3 rows in set (0.004 sec)

5. Find the names of all faculties having ‘T’ as the initial of the surnames.

[collmgmtsys]> select Name from faculty

-> where Name like '\_\_T%';

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

| Name |

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

| R.Thapa |

| S.Tamrakar |

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

2 rows in set (0.000 sec)

6. List all the subject names and the room they are taught in at 5-6 of Evening time.

[collmgmtsys]> select Name,Room from class

-> where Time like '%6' ;

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

| Name | Room |

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

| C++ | R7 |

| Physics | R6 |

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

2 rows in set (0.001 sec)

7. Display all the faculty information sorted in an ascending order based on Department

and sort by Fid when repetition occurs.

[collmgmtsys]> select \* from faculty

-> order by Dept ASC,Fid ASC;

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

| Fid | Name | Dept |

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

| F501 | B.Shrestha | Computer |

| F508 | S.Tamrakar | Computer |

| F505 | R.Thapa | Maths |

| F509 | P.Acharya | Science |

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

4 rows in set (0.000 sec)

8. Find the names of all classes that either meet in room R3 or are taught by ‘B.Shrestha’.

(hard-coded)

9. Find the names of all students who are enrolled in some class together (C++).

10. Find the names of faculty members who are from Computer department.

[collmgmtsys]> select Name from faculty

-> where Dept ='Computer';

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

| Name |

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

| B.Shrestha |

| S.Tamrakar |

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

2 rows in set (0.000 sec)

11. Find the names as well as department name of faculty members who teaches at 5-6 of

Evening time.

12. Display the average age of students as ‘Average Age’ of Bachelors level.

13. Find the Classname in which Sam KC is enrolled in.

14. Find the names of all students who are not enrolled in any class taught by &quot;BShrestha &quot;.

15. Change the timing of C++ class of Room 3 to morning 7-8.

16. Display all students name studying either of Software or Computer as Major.

17. Delete all the students who is older than 25 years of age.