

**DBMS LAB INTERNAL****SET - II****Table: Schools**

SchoolID	SchoolName	Location	EstablishedYear
1	ABC High School	New York	1975
2	XYZ Middle School	London	1988
3	PQR Elementary School	Paris	1995
4	MNO High School	Sydney	2003
5	EFG Middle School	New York	1990

**Table: Students**

StudentID	FirstName	LastName	Age	Gender	SchoolID
1	John	Smith	16	Male	1
2	Lisa	Johnson	15	Female	2
3	Michael	Smith	14	Male	1
4	Sarah	Davis	17	Female	4
5	Robert	Johnson	13	Male	3

**Table: Courses**

CourseID	CourseName	Teacher
1	Math	Prof. Adams
2	Science	Prof. Brown
3	History	Prof. Clark
4	English	Prof. Davis
5	Art	Prof. Adams

**Table: StudentCourse**

StudentID	CourseID	Grade
1	1	A
1	2	B
1	3	A
2	3	A
2	4	B
3	5	C
4	1	A
5	1	B

The relationships among the tables remain the same, with the `SchoolID` column in the `Students` and `Courses` tables acting as foreign keys referencing the `SchoolID` column in the `Schools` table. `StudentID` and `CourseID` are foreign keys in `StudentCourseID` referencing respective tables.

1. **Question:** How many students are enrolled in the "Math" course?
2. **Question:** What are the course names enrolled by female students?
3. **Question:** Display the school name(s) of students with Lastname as "Smith"?
4. **Question:** What is the course name, in which all enrolled students got grade A?
5. **Question:** What is the total number of students in each school, sorted in descending order of student count? ( Display : school name, student count )
6. **Question:** What is the name of the teacher, who is teaching more than One course?
7. **Question:** Display the grade awarded to maximum number of students?
8. **Question:** Display the Locations that has more than One school?