Case 2: Pre-placement evaluation at Management Institute

Problem Statement:

Sasi Kiran is pursuing his MBA in Global Supply Chain Management at IIM Udaipur. The management program comprised diverse candidates with experience from various industries like BFSI, Oil & Gas, IT, Manufacturing, and Operations. The job roles are SAP consultant, Civil Engineer, Data modeller, assistant manager, and Project Manager. More than one person is holding the same job role. Sasi is a part of the Media and Industry Interaction cell (MIIC), an official communication club at the college. Four members are working along with him. The director of the university officially announced that the placement season would start in two months and advised all the students to prepare well for the interviews. The pre-placement committee wanted to ensure that the batch profile was accurate and clean before sending it to the companies for reference. So, before their MBA, they conducted pilot observations to evaluate candidates' profiles, mainly their educational background, work experience and related companies they are associated with. The course strength is high, making it very difficult for the placement team to validate the data. Eventually, the placement team approached MIIC to get assistance regarding data validation. Sasi Kiran considered the assignment while other cell members were busy with other work. As an initial step, Sasi checked the website and realised that the number of years of work experience was incorrect. He escalated the issue to management and tried to resolve it soon. After a few days, the issue got resolved, and the placement team followed up with Sasi regarding the issue. There are essential points that the placement team asked Sasi during data retrieval. 1. Data must be displayed with the student's name and the first letter of the profession enclosed in parentheses

1. The placement team also want to have a count of occurrences of each profession being held.

Later, Sasi planned to have a brainstorming discussion with MIIC to understand and come up with a solution. They approached college management to learn about the tables maintained in the college database management systems. Following the approvals received from the college management to view and work on the tables, the MIIC team decided to divide the problem into two parts:

1. Firstly, they want to run an SQL query where they can alphabetically display the ordered list of all candidates names, immediately followed by the first letter of each profession in parentheses
2. Secondly, they want to run an SQL query on the number of occurrences of each profession and sort the result in ascending order.

Sample Input:

Name	Profession
Abigail	SAP Consultant
Adah	Civil Engineer
Adia	Data Modeler
Candy	Civil Engineer
Carla	Assistant Manager
Delcy	Assistant Manager
Emmy	SAP Consultant
Hazel	SAP Consultant
Jasmine	Data Modeler
Madison	Data Modeler