

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 who possess experience from various industries like BFSI, Oil & Gas, IT, Manufacturing, Operations. The job roles are SAP consultant, Civil Engineer, Data modeler, Assistant Manager, Manager, Project Manager roles. There is more than one person holding same job role. Sasi is a part of the Media and Industry Interaction cell (MIIC), an official communication club at the college. There are four members working along with him. The director of the university officially announced that the placement season is going to start in two months and advised all the students to prepare well for the interviews. The pre-placement committee wanted to make sure that the batch profile is accurate and clean before sending it to the companies for reference. So, they have conducted pilot observations to evaluate candidate's profiles mainly their educational background, work experience and corresponding companies they are associated with, before MBA. The course strength is high and it seemed 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 are busy with other works. As an initial step, Sasi checked the website and realized that the number of years of work experience is incorrect. He escalated the issue to management and tried to resolve it at the earliest. After a few days, the issue got resolved and placement team has followed up with Sasi regarding the issue. There are important points that placement team asked Sasi during data retrieval.

1. Data must be displayed with the names of students along with the first letter of the profession enclosed in parentheses
2. The placement team also want to have count of occurrences of each profession being held.

Later, Sasi planned to have a brain-storming discussion with MIIC to understand and come up with solution. Now, they approached college management to know about the tables that are maintained in the college database management systems. Following the approvals received from the college management to view and work on the tables, 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 candidate names, immediately followed by the first letter of each profession in parentheses

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2. Secondly, they want to run an SQL query on the number of occurrences of each profession and sorting 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