**Scenario based learning**

A company works with number or employees, all the works are dependent on the employees. Even if one of the employees resigns from the job immediately then assigned work will not be finished at the time, so delivery of the project to the clients will be delayed. The company planned to make a solution for this, they want to know which employee may resign this month or next. If they know previously, they can arrange alternatives to avoid such problems. As an AI engineer, you must find a solution to this.

A) How will you achieve this in AI

B) Find out the 3 stages of problem identification

C) Name of the project

D) Create a dummy dataset

Solution:

1. The manager of the project must identify which person does not show interest in the job and completes the work beyond the deadline. the employee shows no interest even after discussing and trying to address the problems with the employee in one-to-one discussion, in job, the manager has to identify the employee and put in red flag list. The manager has to identify how many months the employee will be there in the company
2. 3 stages are
3. Datetime analysis
4. Supervised
5. Regression
6. Name of the project – Employee attrition management system
7. Dataset

|  |  |  |
| --- | --- | --- |
| employee name | months available | Recruiting new resource - output |
| john | 3 | Yes |
| doe | 2 | Yes |
| marley | 3 | Yes |
| davidson | 1 | Yes |
| Lucy | 9 | Yes |
| Tara | 20 | No |