Scenario Based Learning

A company works with number of employees, all the works are dependents on the employees. Even if one of the employees resign the job immediately then assigned work will be not finished at the time, so delivery of the project to the clients will be delayed. Company planned to make solution for this, they want to know which employee may resign next. If they know previously, they can arrange alternative to avoid such problem. As an AI Engineer you must give Solution to this.

A) How will you achieve this in AI?
B) Find out the 3 -Stage of Problem Identification
C) Name the project
D) Create the dummy Dataset.

Solution:

1. Three stages of Problem Identification:

- **Stage 1-Machine Learning**
- **Stage 2-Supervised**
- **Stage 3-Classification**

2. Name of the Project: Employee Retention Prediction

3. Dummy Datasets:

Employee ID	Age	Gender	Department	Performance	Attendance	Prediction
1	28	Female	BDE	average	55%	Not Satisfied
2	45	Male	IT	outstanding	99%	Satisfied
3	35	Female	HR	good	90%	Satisfied
4	25	Male	BDE	average	50%	Not Satisfied

4. Call to Action: