

## 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.

A) How will you achieve this in AI: Prediction

B) Find out the 3 -Stage of Problem Identification:

- Stage 1 Domain: Numbers → Machine learning
- Stage 2 Learning: Requirements clear and Input and Output clear
- So Supervised Learning
- Stage 3: As output is May Resign / May not Resign It comes under classification

C) Name the project: Employee Resignation deduction

D) Dummy Dataset

I/p	I/p	I/p	O/P (Label)
Employee ID	Employee Name	Years of experience	May Resign/ May not Resign
123	ABC	1 year	May not Resign
345	XYZ	6 months	May not Resign
678	EFG	3 years	May Resign