Hope Artificial Intelligence

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?

➔ We can achieve through Machine Learning as requirements are clear and input and output are well defined.

B) Find out the 3 -Stage of Problem Identification
   1. Domain Selection: Machine Learning
   2. Learning Selection: Supervised
   3. Classification

C) Name the project:

"Employee Resilience and Retention Optimization"

D) Create the dummy Dataset:

S.No	Name	Age	Salary	Hike %	Promotion	Output/Prediction
1	Karthy	30	30K	7%	Yes	Not Resign
2	Ameer	43	35K	5%	No	Resign
3	Rajesh	24	20K	5%	No	Not resign
4	James	39	32K	4%	No	Resign