Scenario Based Learning

A- How will you achieve this in AI

The aim is to predict which employee may retire this month or next and the call of action will be to arrange alternative to avoid such problems. This can be done with the help of AI by finding the data for certain patterns that leads to employee's resignation and training the model based on the data for prediction.

B- Find out the 3-Stage of Problem Identification

Stage 1 – Machine learning
Stage 2 – Supervised learning
Stage 3 – Classification

C- Name the project

Employee Resignation Prediction

D- Create a dummy Dataset

Employee ID	Satisfaction_Level	Last_Evaluation	Num_Projects	Avg_Monthly_Hours	Tenure_Years	Work_Accident	Promotion_Last5Yrs	Salary_Range	Resigned
1	0.65	0.82	3	150	3	0	0	Medium	0
2	0.45	0.78	2	220	5	1	0	Low	1
3	0.88	0.95	4	160	2	0	1	High	0
4	0.32	0.60	5	250	6	0	0	Medium	1
5	0.75	0.85	3	140	1	0	0	High	0