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?

Ans: For achieving this we can use Machine Learning Technique, we can collect the old data of employees regarding job satisfaction, salary, work-life balance, age,work pressure etc..

B) Find out the 3 -Stage of Problem Identification

Ans: Stage 1: Identifying Domain as **Machine Learning**

Stage 2: Learning Selection is **Supervised Learning**

Stage 3: Further more again segregated as **Classification** as the expected output have only two outcomes

C) Name the project

Ans: **Next Resign Alert System**

D) Create the dummy Dataset.

Ans:

Emp ID	Employee Name	Age	Job Positon	Total Exp	Exp in this Company	Promotion	Review	Overtime	Satisfaction	Resigned
774	Rahul	28	Junior Dev	4	2	No	Average	Yes	Low	Yes
812	Aditya	31	Senior Dev	6	3	Yes	Average	No	Aveage	No
678	Meera	37	Senior QA	12	5	Yes	Good	Yes	High	No
512	Harsha	29	Senior Dev	7	4	Yes	Good	Yes	Low	Yes