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) First I collect the Data of the employee, Age, Years of working ,Performance, Promotions, Salary, Job satisfaction,Employee Feedback & Need. Then I used AI to predict the employee resignation.In this problem I used NLP to analyze the employees feedback and used Machine learning to predict the next employees to resign the job with this data.

B) Stage1 - Machine learning & NLP
Stage 2 -Supervised Learning
Stage 3-Classification

C) Employees Quitting Prediction

D)

Employee No	***Department***	***Age***	***Years of Working***	***Work Performance***	***Last Promotion***	***Salary***	***Job satisfaction & Feedback***	**Resignation Prediction**
001	Production	36	8	75	2023	40,000	3	No
002	Quality	33	5	60	2021	24,000	2	Yes
003	Production	40	12	80	2022	60,000	4	No
004	Procurement	38	11	85	2023	55,000	4	No
005	Quality	42	10	90	2024	50,000	3	No
007	Marketing	30	15	95	2023	52,000	4	No
008	Sales	35	7	65	2020	32,000	2	Yes
009	Marketing	29	13	70	2021	48,000	3	No
010	Sales	45	9	95	2023	38,000	4	No