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?
1. To predict which employee might resign next, we can create a predictive AI-based system using **machine learning model**
2. **Collect historical employee data**

B) Find out the 3 -Stage of Problem Identification ?
1. Stage1-Machine learning
Stage2-superviesd learning
Stage3-Classification

C) Name the project ?
1.   Attendance prediction

D) Create the dummy Dataset?

Employee_ID	Age	Gender	Job_Role	Department	Salary	Tenure (Years)	Satisfaction_Level	Work_Life_Balance	Overtime	Promotions_Last_5Y	Attendance (%)	Resigned
E001	28	male	devloper	IT	60000	2	3.5	2	YES	NO	85	NO
E002	34	female	manager	HR	85000	6	2	4	NO	YES	90	NO
E003	41	male	QA	IT	50000	10	1.5	1	NO	NO	70	YES
E004	25	female	DA	FINANCE	45000	1	402	3	YES	NO	95	NO
E005	37	male	devlope	IT	70000	7	2	1	YES	YES	75	YES