Scenario: 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 this month or next. If they know previously, they can arrange alternative to avoid such problem.

A) Predicting which employee might resign this month or next.
B) Stage 1: Company's employees data includes name, position, salary, work experience, job satisfaction, etc., This clear labelled data leads to choose "Machine Learning".
   Stage 2: We can see clear requirements to find out employee who may resign this month or next. Also, we have clear input dataset about employees. This helps to choose "Supervised learning" for this project.
   Stage 3: We can categorize the output like may resign and may not resign so "classification" is the right choice.
C) Project title: Employee Resignation Predictor.
D) Sample Data set:

Employee no	Employee name	Age	Position	Department	Joining Date	Tenure	Salary	Job performance	Job Satisfaction	Resignation
1	Angela	25	SDE	IT	30th Apr 2020	5	50000	4	2	Yes
2	Lio	48	TL	IT	20th Jan 2017	9	100000	4	3	No
3	Rose	40	HR	HR	12th Mar 2018	8	25000	3	2	Yes