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.

1. A) How will you achieve this in AI?
2. B) Find out the 3 -Stage of Problem Identification
3. C) Name the project
4. D) Create the dummy Dataset.

**Solution**

A**)** I achieve this in AI by 3 stages of identification

* Domain selection
* Supervised or Unsupervised or Semi-supervised
* Regression or classification

**B)** Problem Identification for this scenario is

* Domain selection-***NLP*** (because we want to knew number of employees may resign next or not)
* ***Semi supervised***

**C)** Named the project as ***“JOB RESIGN PREDICTION”***

1. **D)** The dummy Dataset

|  |  |  |
| --- | --- | --- |
| **Number of employees& Name** | **Job Resign** | **Job Resign prediction** |
| 1 )xxxx  2)yyyy | Yes  no | **Resign**  **Not Resign** |