A company works with number of employees, all the works are dependents on the employees. Evenif 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.

B) Find out the 3 -Stage of Problem Identification

Number-Machine learing,

Supervised machine learning

Classfication

A) How will you achieve this in AI?  
since the problem statement s about **number**, initially we can go **Machine Learning** , if prediction is not upto level then we can go **Deep learning.**

**C)** Name the project : **Prediction of employee resignation**

**Dummy dataset**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **id** | **income** | **hike** | **bonus** | **Job statisfaction** | **Work**  **Life balance** | **Resiegned/**  **stayed** |
| **56** | **80000** | **35!** | **50000** | **85** | **70** | **0(stayed)** |
| **75** | **80000** | **0** | **1000** | **50** | **40** | **1(resigned)** |
|  |  |  |  |  |  |  |

If the employee get all features from company , it seems they stayed in the same office.  
If the employee not getting bonus , work life balance all features from company , it seems they resigned from office.