# Scenario Based Learning- Question

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 -Stages of Problem Identification
C.      Name the project
D.      Create the dummy Dataset.

# Solution:

A. Here the client's requirement is clear. So collect the required dataset from the client and process it further for 3 -Stages of Problem Identification.

B. **3 -Stages of Problem Identification:**

    Stage 1- Machine Learning      Stage 2 – Supervised Learning
    Stage 3- Classification

C. **Project Name:** Abdicate Prediction

D. **Dummy Dataset**

| Name | ID | Gender | Age | Work Experience | | Economic Status | Commitment (Personal) Level Eg: Loan,Marriage, Pregnancy | Dedication Level | Abdicate Possibility (Yes/No) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| | | | | Past | Present | | | | |
| Paari | V1 | Male | 40 | 3 | 15 | Upper Middle | Low | High | No |
| Aadhini | V2 | Female | 35 | 0 | 8 | Lower Middle | Moderate | Low | No |
| Vengaivizhi | V3 | Female | 33 | 1 | 6 | Lower | High | Moderate | No |
| Kani | V4 | Male | 25 | 0.4 | 3 | Upper Middle | Low | Low | Yes |

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