**Problem Identification Assignment**

**a) How will you achieve this in AI:**

Prediction can be used.

Get the data from the employee.

Identify their notice period time to predict who will leave next.

**b) Find out the 3 stages of problem identification:**

Natural Language Processing ---> Supervised learning ----> Classification

Natural Language Processing: Since the Output is text

Supervised Learning: Because the out put is very straight

Classification: Output is text based

**c) Name the project:**

Resignation Prediction

**d) Create the Dummy Dataset:**

| **Employe Name** | **Employe**  **ID** | **Working/**  **NoticePeriod** | **No of days left in NP** | **Output** |
| --- | --- | --- | --- | --- |
| Selena | AI641034 | NP | 5 | First to leave |
| Javed | CD12345 | Working | - | Not Now |
| Nithin | NI64789 | Working | - | Not now |
| Subi | SS90864 | NP | 25 | 2nd to leave |