**Question for Scenario based Learning:**

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.

**Answers for above question**

1. Look out the test data or conceptualize the data for predicting it in AI.
2. Stage 1: Machine Learning,Stage 2:Supervised Learning, Stage 3: Classification
3. Name:- Monitoring Employee Life Cycle
4. Below is the same input.

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| --- | --- | --- | --- | --- | --- | --- | --- |
| Input1 | Input2 | Input4 | Input3 | Input4 | Input5 | Input6 | Output |
| Emp id | Emp Name | Leaves pattern like taking very frequently or once in a while | Current Project and Module | New resource Name | KT topics covered New resource | Days of Notice period | Stay/Resign |
|  |  |  |  |  |  |  |  |