

## Scenario based Learning

A) We can predict the employee resignation in advance by using data from employee's performance, leave tracker and other inputs

B) Problem Identification

Stage 1: Machine Learning Domain

Stage 2: Supervised Learning

Stage 3: Classification

C) Job resignation prediction

D) Dummy dataset

| Employee Name | Employee Performance(out of 10) | Login Time | No of Leaves per month | Prediction          |
|---------------|---------------------------------|------------|------------------------|---------------------|
| Ashwini       | 8                               | 8          | 2                      | She will not resign |
| Rajesh        | 7                               | 9          | 4                      | He will not resign  |
| Archana       | 9                               | 8.5        | 4                      | She will not resign |
| Karthick      | 5                               | 6.6        | 10                     | May Resign          |