Scenario Based Learning

A. To achieve this in AI Machine Learning is used, The Input and output was classified in Datasheets so it comes under Classification Method.

B. 3-Stage of Problem Identification
Stage1: Domain - Machine Learning (As input here is Number)
Stage2: Learning - Supervised Learning (As Requirements and Labelling is clear)
Stage3: Classification – (since the Output is predicted is of Types (Yes or No)).

C. Using the Machine Learning to predict "Employee Attrition Rate" in Python.

D. Create the Dummy Dataset
Dummy Dataset contains 14 Variables each row in dataset represents an Employee, each column contains Employee attributes.

	table id	name	phone number	Location	Emp. Group	Function	Gender	Tenure	Tenure Grp.	Experience (YY.MM)	Marital Status	Age in YY.	Hiring Source	Promoted/Non Promoted	Job Role Match	Stay/Left
0	1	sid	9876544345	Pune	B2	Operation	Male	0.00	< =1	6.08	Single	27.12	Direct	Non Promoted	Yes	Left
1	2	sid	9876544345	Noida	B7	Support	Male	0.00	< =1	13.00	Marr.	38.08	Direct	Promoted	No	Stay
2	3	sid	9876544345	Bangalore	B3	Operation	Male	0.01	< =1	16.05	Marr.	36.04	Direct	Promoted	Yes	Stay
3	4	sid	9876544345	Noida	B2	Operation	Male	0.01	< =1	6.06	Marr.	32.07	Direct	Promoted	Yes	Stay
4	5	sid	9876544345	Lucknow	B2	Operation	Male	0.00	< =1	7.00	Marr.	32.05	Direct	Non Promoted	Yes	Stay