**DATA SCIENCE HACKATHON TASK.**

The company X is facing attrition. The data is for company X which is trying to control attrition. There are two sets of data: "Existing employees" and "Employees who have left". Following attributes are available for every employee.

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| * Satisfaction Level |
| * Last evaluation |
| * Number of projects |
| * Average monthly hours |
| * Time spent at the company |
| * Whether they have had a work accident |
| * Whether they have had a promotion in the last 5 years |
| * Departments (column sales) |
| * Salary |
| * Whether the employee has left  |  | | --- | | **Objective** | | * What type of employees are leaving?Why are they leaving? Determine which employees are prone to leave next. * In order to find the objective, you need to show both your analytical skills, as well as coding skills. The analysis must cover proper description of how can you fulfil the objectives provided to you, and the coding will only be a proof of those analysis. This round is for the sole purpose of checking how good an analyst you are, so that in future you can work with clients and deliver satisfying results. You python coding capability will also be tested here. * As you know, there are not always a single correct answer to each and every analytical question, as different people have different minds and ways of analyzing any problem. So we will be checking your thoughts and judging based on that, not on any single correct answer. However, yes at few stops there will be a significant answer which should be present in your work. * The dataset has been provided to you along with descriptions, and the data are in different sheets. You need to extract the sheets using python and save them individually, then continue with your analysis. * The analysis description should not be history, it should be to the point with little description of how to proceed. You need to make a ppt on what algorithms you have used, and what was your motive behind using those.   All the best!! | |