

Day 1 - Python Programming Practice Lab

Instructions:

For all three labs, you must declare the necessary variables and data structure, and all the variables must have their data type and storage value as needed. Business-wise, the mandatory fields should also have default values.

Lab #1:

John & Co, a retail company, wanted to develop a payroll system using Python programming. The system should collect, calculate, and store payroll information such as employee ID, name, date of birth, joining date, part-time or full-time, base salary, commission, deduction, contribution to CPF, sick leave, sick pay, overtime, regular time, address, phone, email, and manager. Declare the necessary variables and assign default values if the variable does not have null values. Make sure employee demographics are stored appropriately using the appropriate data structure.

Lab #2:

John & Co, a retail company, values customer feedback and is keen to improve its services based on it. The IT team has requested your assistance in developing a comprehensive feedback form that captures customer feedback in both quantitative and qualitative ways. Your task is to declare all necessary variables and data structures to collect and store both types of feedback from the customers.

Lab #3:

ICICI Bank decided to create an online application to collect the following information to process the loan application.

- Application demographic information
- Application education data
- Application employment data
- Application prior loan data