

## **SYSTEM TASK FOR INTERVIEW**

### **PART - A**

1. Create Yii2 (Basic/Advanced) Project
2. Create MYSQL DB
3. Create a "USER" table with following columns
  - User Id (PK Number)
  - First Name (String)
  - Last Name (String)
  - email\_id (String)
  - password (String)
  - user type id (FK Number)
  - department id (FK Number)
4. Create "USER ACCOUNTS" table with columns
  - User Id (FK Number)
  - Payable Salary (Float)
  - Basic Salary (Float)
  - Tax Value (Float)
5. Create "USER TYPE" table with columns
  - User type id (PK Number)
  - User type name (String)
  - Basic Salary (Float)
6. Create "DEPARTMENT" table with columns
  - Department Id (PK Number)
  - Department Name (String)
  - Commission Percentage (Number)
  - Allowance Payable (Float)
  - Last Month Deduction (Float)
7. Create Table "Payable Salary Tax Charge" with below columns
  - Payable Tax Charge Id (PK Number)
  - Payable Salary Upto (Float)
  - Tax percentage Value (Number)

## **PART B:**

1. Create/Update user calculate payable salary amount using the below formula:
  - $\text{Payable Salary} = \text{basic\_salary} + \text{commission percentage on basic\_salary} + \text{allowance payable} - \text{Last Month Deduction}$
  - $\text{Tax Value} = \text{Payable Salary} * \text{Percentage of Tax percentage Value}$
2. Write **programmatic code** and **MySQL Stored Procedure** to save the value into user accounts table
3. Create Table View For user accounts table with the following column name:

First Name  
Last Name  
Payable Salary  
Basic Salary  
Tax Value  
Last Month Deduction  
Employee Type Name  
Department Name

4. Create and Use MYSQL View to achieve above scenario