1. Identify the fact and dimension table for the given dataset and create a logical and physical model of the data warehouse along with the DDL script for them.  
   **Dataset:  
   Employee:** [employee\_2021\_08\_01](https://docs.google.com/spreadsheets/d/1VaodT5yKwanMOukJOwm-zOjcD0i-LmCEGdm_iw35K3g/edit?usp=sharing)[employee\_2021\_08\_02](https://docs.google.com/spreadsheets/d/16hW8YInBwMJVOlaogrW8j0L2IyytM-Zqrv0tjpiUPoI/edit?usp=sharing)[employee\_2021\_08\_03](https://docs.google.com/spreadsheets/d/1VBXBqmYV-TQOzaVJstAR88qh0yNnfjrvChhGEajxTFA/edit?usp=sharing) **Timesheet:** [timesheet\_2021\_05\_23](https://docs.google.com/spreadsheets/d/1uRUWWB-ceV7CirtTLw2Osc6SsoWtfZYJ-GLjlcjz850/edit?usp=sharing)[timesheet\_2021\_06\_23](https://docs.google.com/spreadsheets/d/1NmdLg6tMQ4UP07BiPn1O80GX_G3-7vTpliiZUtx4arc/edit?usp=sharing)[timesheet\_2021\_07\_24](https://docs.google.com/spreadsheets/d/1UA2Cu3X3BAFi0BnFYKitKAE7y-I4r05ueWXUZtNXg6c/edit?usp=sharing) **Requirements:**
   1. Clients should be able to know if an employee was working on a particular day or not.
      1. If they worked,
         1. What time did they start and left?
         2. How many hours?
         3. Were they charge on the day?
      2. If they didn’t,
         1. Were they on call?
   2. Clients should be able to know if the employee had a Morning (Starting between 5: 00 AM - 11:00 AM) or Evening (Starting after 12:00 PM) shift.
   3. Clients should be able to know if the employees are working regularly on a weekend (SUN, SAT)
   4. Clients want to analyze if any employee has to cover for other team members regularly.
   5. Clients want to analyze the data on a biweekly basis starting from 2021-01-01
   6. Clients want to analyze the data based on the employee role.
   7. Clients want to analyze the salary distribution by department.