Problem Statement 6:

Normalization: Finding Attributes and Data Values and Identifying Repeating and Non-Repeating Groups.

Emp Id: 2563633
Name: Shubham Kumar Patro

1. Entities: Employee, Department, title name

   Attributes: Department number, Department name, Employee name, Employee number.

   Data types: Integer (Department number, Employee number)
   String (Dept. name, Employee name, title Name)

2. Candidate key: Employee number
   Primary key: Employee number
   Foreign key: Department number (references from dept. table)

3. (a) Null values present in attributes which can cause some problem. Data values in table are not relating as there are repeating attributes connected with each other.

   (b) Non-repeating group in this scenario is the attribute "Employee number" as its unique in each row of table as there are null values too.

   (c) Repeating group in this scenario is attributes such as "Department name" and "Department number".