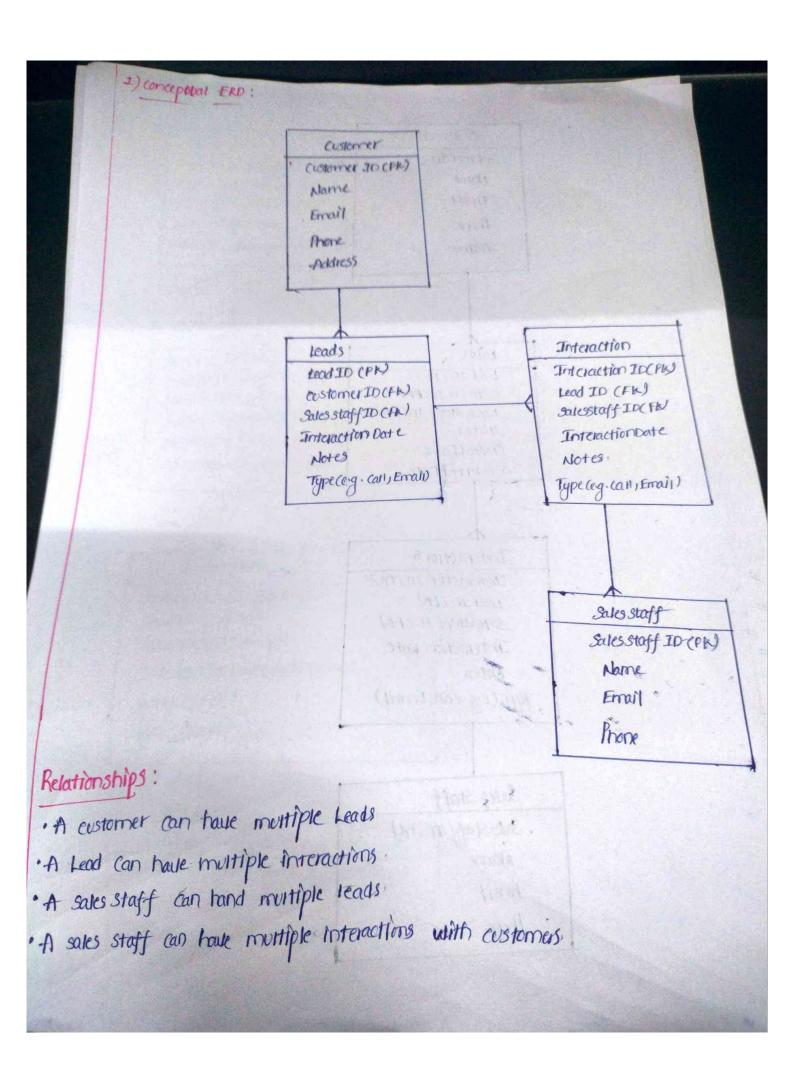
Assignment-I

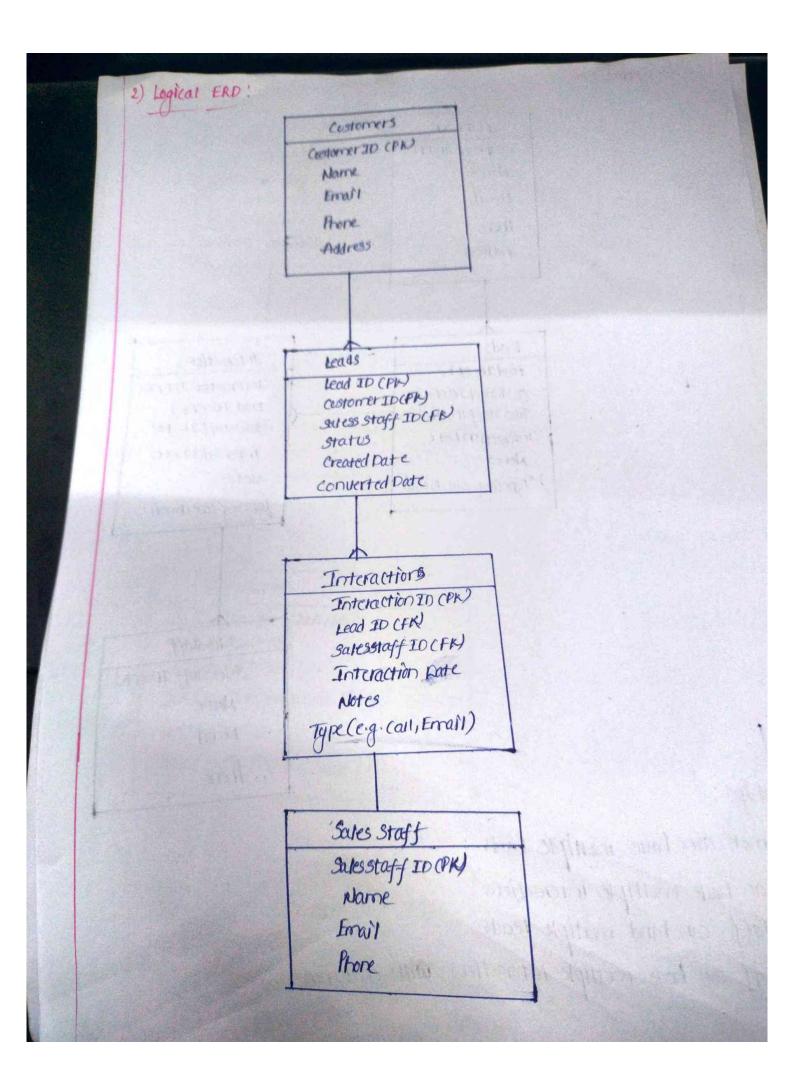
P. Yashwanth 192372335 DBM5 CSA0593

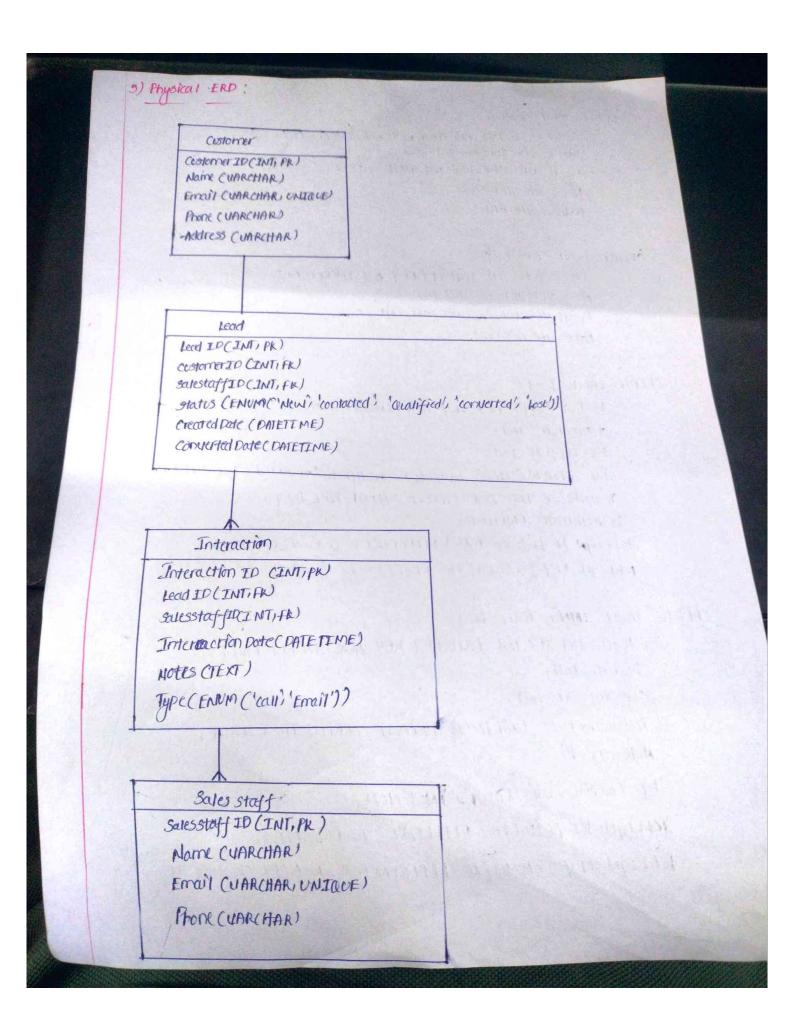
Customer Relationship Darabase management (CRM) for lead Aralysis develop a track leads, interactions, sales representatives, and conversion rates for a

Requirements!

Models tables for customers, leads, interactions and sales staff, with data integrity constraints. Implement stored procedures for updating lead statuses and tracking interaction between soles. Write queries to generate reports on conversion tates, average time to close deals, and read status distributions.







```
SQL statements !
       CREATE TABLE CUSTOMERC
             astomer ID INT PRIMARY KEY AUTO. INCREMENT,
              Name UARCHARCIOO) NOT NULLI
             Errail VARCHARCIOO) NOT NULL UNITQUE,
             Phone WARCHAR (15),
             Address VARCHAR (255)
          );
      CREATE TABLE STORES Staff C
             Salesstaff ID INT PRIMARY KEY AUTO_INCREMENT,
             Nome VARCHAR (100) NOT NULL,
             Email WARCHAR (100) NOT NULL UNIQUE,
             PHONE WARCHAR (15)
         2;
     CREATE TABLE LEAD (
            LECT INT PRIMARY KEY AUTO-INCREMENT,
            customer ID INTI
           Salesstaff ID INT,
           Status ENUM ('New') 'contacted', 'Qualified', 'converted', 'lost') NOT NULL,
           Created Date DATETIME DEFAULT CURRENT_TIMESTAMP,
          Converted Date DATETIME
         FOREIGN KEY (COSTOTOR ID) REFERENCES CUSTOMUR (CUSTOMER ID),
         FOREIGN KEY (Balesstaff ID) REFERENCES Savestaff (Sakesstaff ID).
CREATE TABLE INTER Interaction (
         Interaction IDE INT PRIMARY KEY AUTO-INCREMENT,
         Lead ID INT,
        Saksstaff ID INT,
       Interaction pate DATETIME 'DEFAULT CORRENT TIMESTAMP,
        Notes TEXTI
      Type ENUM ( 'Call', 'Email's ) NOT NULL,
      FOREIGN KEY (LEAD ID) REFERENCES LEAD (LEAD ID),
    FOREIGN KEY (SalesstoffID) REFERENCES Salesstaff (Salesstaff ID)
```

1;