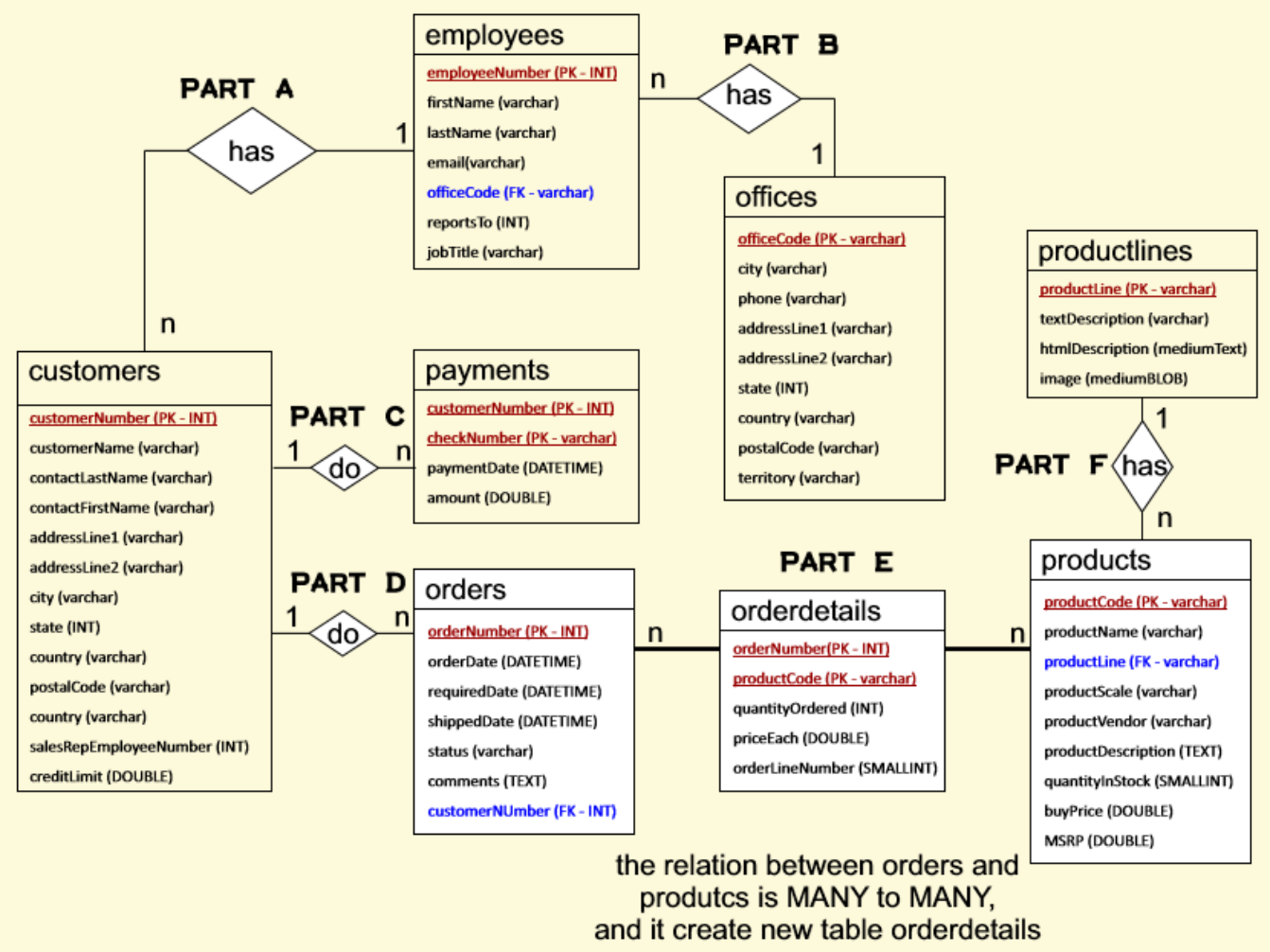
Remedial Mid Exam Database Management System

1. a. Make relation of 'classicmodels' and the type of relation



b. Explanation about the function of each table

- **table orders**: to save data (number, date, etc.) about order that is done by customer
- **table employees:** to save data about employees
- **table office:** to save data about office around the world
- **table customers:** to save data about customer (customer number, name, address, phone, or credit limit, and other information)
- **table payments:** customer number, payment date, amount of payment data will be stored in this table

- **table products:** to stored data about products' information
- **table orderdetails:** to stored data about stuff that is already ordered by customer
- **table productlines:** to stored data about product description and image.

2. Query of product's list in certain date. The output at least code, name, and amount of product.
   Answer:
   Let say that the date is 16 January 2018. In table, the date is stored in form 16-01-2018.

```
SELECT products.productCode, products.productName, orderdetails.quantityOrdered
FROM products, orderdetails, orders
WHERE  products.productCode = quantity.productsCode
AND orders.orderNumber = orderdetails.orderNumber
AND orders.orderDate = '16-01-2018';
```

3. Make store procedure based on condition number 2, where date is input, and output are total income on that date (input) and product list's table.
   Answer:

```
DELIMITER //
CREATE PROCEDURE OrderByDate(
    IN tanggal DATE,
    OUT total INT (25), code VARCHAR(15), name VARCHAR (70), quantity
INT(11))

BEGIN
   SELECT products.productCode INTO code, products.productName INTO name,
   orderdetails.quantityOrdered INTO quantity,
   SUM(orderdetails.quantityOrdered * orderdetails.priceEach) INTO total
   FROM products, orderdetails, orders
   WHERE  products.productCode = quantity.productsCode
   AND orders.orderNumber = orderdetails.orderNumber
   AND orders.orderDate = tanggal;
END//
DELIMITER ;
```

4. Make store procedure to show list of customer that ordered in the last one week. The output are the number of customer and list of customer.
   Answer:

```
DELIMETER//
CREATE PROCEDURE listCostumer(
    OUT total INT (11), listPelanggan VARCHAR (255))
BEGIN
    SELECT count (customers.customerNumber) INTO total,
    customers.customerName INTO listPelanggan
    FROM customers, orders
    WHERE orders.orderDate =  (SELECT DAY(NOW)) – 7);
END//
DELIMITER ;
```