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**QUESTION 1 Find the primary keys and foreign keys for all the tables created in LAB 01. See an example below and follow the same way to find these keys from constraints tab in the tables.**

|  |  |  |
| --- | --- | --- |
| **Table Name** | **Primary Key** | **Foreign Key** |
| ORDERDETAILS | ORDERNUMBER  PRODUCTCODE | ORDERNUMBER(RETAILORDERS)  PRODUCTCODE(RETAILPRODUCTS) |
| PRODUCTLINES | PRODUCTLINE |  |
| RETAILCUSTOMERS | CUSTOMERNUMBER | SALESREPEMPLOYEENUMBER(RETAILEMPLOYEES) |
| RETAILEMPLOYEES | EMPLOYEENUMBER | OFFICECODE(RETAILOFFICES)  REPORTSTO(RETAILEMPLOYEES) |
| RETAILOFFICES | OFFICECODE |  |
| RETAILORDERS | ORDERNUMBER | CUSTOMERNUMBER(RETAILCUSTOMERS) |
| RETAILPAYMENTS | CUSTOMERNUMBER  CHECKNUMBER | CUSTOMERNUMBER(RETAILCUSTOMERS) |
| RETAILPRODUCTS | PRODUCTCODE | PRODUCTLINE(PRODUCTLINES) |

**QUESTION 2 Find the cardinality of relationship between the parent and child tables from question1. For example, compare the primary key value of parent table and foreign key values of child table. How many times it is used? Can there be many retailemployees in a retailoffice or 1 employee or 0 employee. Using the example below. You may want to find the cardinality on both sides of relationship, that means each relationship you will be reversing the table names to give the cardinality.**

|  |  |  |
| --- | --- | --- |
| **Table 1 Name** | **Table 2 Name** | **Cardinality** |
| RETAILORDERS | ORDERDETAILS | 1 to Many - Each RETAILORDERS has 1 or more ORDERDETAILS |
| RETAILCUSTOMERS | RETAILORDERS | 1 to Many - Each RETAILCUSTOMERS has 1 or more RETAILORDERS |
| RETAILCUSTOMERS | RETAILPAYMENTS | 1 to Many - Each RETAILCUSTOMERS has 1 or more RETAILPAYMENTS |
| RETAILEMPLOYEES | RETAILCUSTOMERS | 1 to Many - Each RETAILEMPLOYEES has 1 or more RETAILCUSTOMERS |
| RETAILPRODUCTS | ORDERDETAILS | 1 to Many - Each RETAILPRODUCTS has 1 or more ORDERDETAILS |
| PRODUCTLINES | RETAILPRODUCTS | 1 to Many - Each PRODUCTLINES has 1 or more RETAILPRODUCTS |
| RETAILOFFICES | RETAILEMPLOYEES | 1 to Many - Each RETAILOFFICES has 1 or more RETAILEMPLOYEES |
| RETAILEMPLOYEES | RETAILEMPLOYEES | 1 to Many - Each RETAILEMPLOYEES(EMPLOYEENUMBER) has 1 or more RETAILEMPLOYEES(REPORTSTO) |

**QUESTION 3 Draw the Entity Relationship diagram of the following tables RETAILORDERS and Orderdetails**

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**QUESTION 4 Draw the Entity Relationship diagram of the following tables Orderdetails and RETAILPRODUCTS**

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**QUESTION 5 Draw the Entity Relationship diagram of the following tables RETAILORDERS and RETAILCUSTOMERA screenshot of a computer screen

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