Eric Beilmann

CS 4307

**Data Diagram**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Salesperson** | | | | | |
| SPN | Name | Commission percentage | year of hire | Dept. Number | Manager Name |
| 137 | Baker | 10 | 1995 | 73 | Scott |
| … |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Product** | | | |
| PN | Prod. Name | Unit Price | Quantity |
| 16386 | Wrench | 12.95 | 1745 |
| … |  |  |  |

|  |  |
| --- | --- |
| **Salesperson/product** | |
| SPN | PN |
| 137 | 19440 |
| 137 | 24013 |
| … |  |

|  |
| --- |
| **Salesperson/product** |
| SPN, C, 5 ->Salesperson.SPN |
| PN, C, 5 ->Product.PN |

**Bob Diagram**

|  |
| --- |
| **Salesperson** |
| SPN, C, 5 |
| Name, V, 30 |
| Commission, N, 3 |
| Year of Hire, N, 4 |
| Dept. Number, N, 3 |
| Manager Name, V, 30 |

|  |
| --- |
| **Product** |
| PN, C, 5 |
| Product Name, V, 30 |
| Unit Price, N, 10, 2 |
| Quantity, N, 5 |

**ER Diagram**

0:M 0:M

Salesperson 🡨-------------------------🡪 salesperson/product 🡨---------------------🡪 Product

|-SPN 0:1 |-SPN 0:1 |-PN

|-Name |-PN |-Product Name

|-commission |-Unit Price

|-year of hire |-Quantity

|-Dept. Name

|-Manager Name