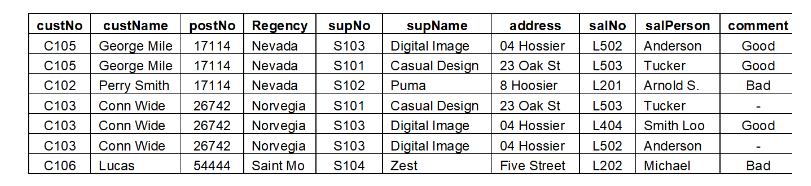
* 1. Ketergantungan fungsional
* Parsial:



==

Customer

|  |  |  |  |
| --- | --- | --- | --- |
| **custNo** | **custName** | **postNo** | **Regency** |
| C105 | George Mile | 17114 | Nevada |
| C105 | George Mile | 17114 | Nevada |
| C102 | Perry Smith | 17114 | Nevada |
| C103 | Conn Wide | 26742 | Norvegia |
| C103 | Conn Wide | 26742 | Norvegia |
| C103 | Conn Wide | 26742 | Norvegia |
| C106 | Lucas | 54444 | Saint Mo |

Supplier

|  |  |
| --- | --- |
| **supNo** | **supName** |
| S103 | Digital Image |
| S101 | Casual Design |
| S102 | Puma |
| S101 | Casual Design |
| S103 | Digital Image |
| S103 | Digital Image |
| S104 | Zest |

Sales

|  |  |
| --- | --- |
| **salNo** | **salPerson** |
| L502 | Anderson |
| L503 | Tucker |
| L201 | Arnold S. |
| L503 | Tucker |
| L404 | Smith Loo |
| L502 | Anderson |
| L202 | Michael |

Commenting

|  |  |  |  |
| --- | --- | --- | --- |
| **custNo** | **supNo** | **salNo** | **comment** |
| C105 | S103 | L502 | Good |
| C105 | S101 | L503 | Good |
| C102 | S102 | L201 | Bad |
| C103 | S101 | L503 | - |
| C103 | S103 | L404 | Good |
| C103 | S103 | L502 | - |
| C106 | S104 | L202 | Bad |

Transitive

==

custName => custNo

custNo => postNo

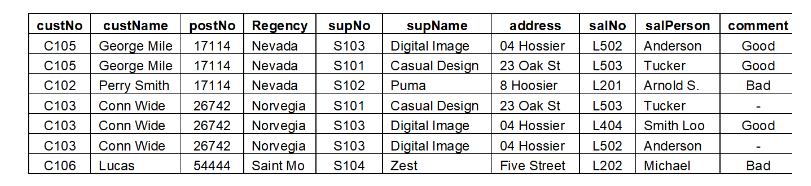
custName => custNo => postNo

supName => supNo

supNo => address

supName => supNo => address

* 1. Normalisasi
     1. 1NF



|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **custNo** | **custFName** | **custLName** | **postNo** | **Regency** | **supNo** | **supName** | **salNo** | **salFName** | **salLName** | **comment** |
| C105 | George | Mile | 17114 | Nevada | S103 | Digital Image | L502 | Anderson | - | Good |
| C105 | George | Mile | 17114 | Nevada | S101 | Casual Design | L503 | Tucker | - | Good |
| C102 | Perry | Smith | 17114 | Nevada | S102 | Puma | L201 | Arnold S. | S. | Bad |
| C103 | Conn | Wide | 26742 | Norvegia | S101 | Casual Design | L503 | Tucker | - | - |
| C103 | Conn | Wide | 26742 | Norvegia | S103 | Digital Image | L404 | Smith Loo | Loo | Good |
| C103 | Conn | Wide | 26742 | Norvegia | S103 | Digital Image | L502 | Anderson | - | - |
| C106 | Lucas | - | 54444 | Saint Mo | S104 | Zest | L202 | Michael | - | Bad |

* + 1. 2NF

Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **custNo** | **custFirstName** | **custLastName** | **postNo** | **Regency** |
| C105 | George | Mile | 17114 | Nevada |
| C102 | Perry | Smith | 17114 | Nevada |
| C103 | Conn | Wide | 26742 | Norvegia |
| C106 | Lucas | - | 54444 | Saint Mo |

Supplier

|  |  |  |
| --- | --- | --- |
| **supNo** | **supName** | **Address** |
| S103 | Digital Image | 04 Hossier |
| S101 | Casual Design | 23 Oak St |
| S102 | Puma | 8 Hoosier |
| S104 | Zest | Five Street |

Sales

|  |  |  |
| --- | --- | --- |
| **salNo** | **salFirstName** | **salLastName** |
| L502 | Anderson | - |
| L503 | Tucker | - |
| L201 | Arnold S. | S. |
| L404 | Smith Loo | Loo |
| L202 | Michael | - |

Commenting

|  |  |  |  |
| --- | --- | --- | --- |
| **custNo** | **supNo** | **salNo** | **comment** |
| C105 | S103 | L502 | Good |
| C105 | S101 | L503 | Good |
| C102 | S102 | L201 | Bad |
| C103 | S101 | L503 | - |
| C103 | S103 | L404 | Good |
| C103 | S103 | L502 | - |
| C106 | S104 | L202 | Bad |

* + 1. 3NF

Customer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **custNo** | **custFirstName** | **custLastName** | **postNo** | **Regency** |
| C105 | George | Mile | 17114 | Nevada |
| C102 | Perry | Smith | 17114 | Nevada |
| C103 | Conn | Wide | 26742 | Norvegia |
| C106 | Lucas | - | 54444 | Saint Mo |

Menjadi

Customer

|  |  |  |  |
| --- | --- | --- | --- |
| **custNo** | **custFirstName** | **custLastName** | **postNo** |
| C105 | George | Mile | 17114 |
| C102 | Perry | Smith | 17114 |
| C103 | Conn | Wide | 26742 |
| C106 | Lucas | - | 54444 |

Regencies

|  |  |
| --- | --- |
| **postNo** | **Regency** |
| 17114 | Nevada |
| 26742 | Norvegia |
| 54444 | Saint Mo |

&

Supplier

|  |  |  |
| --- | --- | --- |
| **supNo** | **supName** | **Address** |
| S103 | Digital Image | 04 Hossier |
| S101 | Casual Design | 23 Oak St |
| S102 | Puma | 8 Hoosier |
| S104 | Zest | Five Street |

Sales

|  |  |  |
| --- | --- | --- |
| **salNo** | **salFirstName** | **salLastName** |
| L502 | Anderson | - |
| L503 | Tucker | - |
| L201 | Arnold S. | S. |
| L404 | Smith Loo | Loo |
| L202 | Michael | - |

Commenting

|  |  |  |  |
| --- | --- | --- | --- |
| **custNo** | **supNo** | **salNo** | **comment** |
| C105 | S103 | L502 | Good |
| C105 | S101 | L503 | Good |
| C102 | S102 | L201 | Bad |
| C103 | S101 | L503 | - |
| C103 | S103 | L404 | Good |
| C103 | S103 | L502 | - |
| C106 | S104 | L202 | Bad |

* 1. Primary Key and Foreign Key
* Customer
* PK = custNo
* FK = postNo
* Supplier
* PK = supNo
* Sales
* PK = salNo
* Commenting
* PK (composite) = custNo, supNo, salNo
* FK = custNo, supNo, salNo
  1. ..

1. 1. Un Normalized Table