|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Invoice No. | Contractor | Customer | Research number | Research Date | Analysis No. | Description | Amount | Price | VAT | Total Price |
| 12 | Holmsen Aps | ØKOLOGIC | 200207 | 02/01/2016 | 10,15 | Pesticide Test, Bacteria Analysis | 2,3 | 2400,  1500 | 975 | 4875 |

***Initial form***

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Invoice No. | Contractor | Customer | Research number | Research Date | Analysis No. | Description | Amount | Price | VAT | Total Price |
| 12 | Holmsen Aps | ØKOLOGIC | 200207 | 02/01/2016 | 10 | Pesticide Test | 2 | 2400 | 600 | 3000 |
| 12 | Holmsen Aps | ØKOLOGIC | 200207 | 02/01/2016 | 15 | Bacteria Analysis | 3 | 1500 | 375 | 1875 |

***1NF***

Primary key

***2NF***

Customer table

Primary key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CustomerID | Name | ZIP Code | City | Street | House |
| C001 | ØKOLOGIC | 8700 | Horsens | Chr.Østegårds Vej | 10 |

Analysis table

Primary key

|  |  |  |
| --- | --- | --- |
| AnalysisID | Description | Price |
| 10 | Pesticide Test | 1200 |
| 15 | Bacteria analysis | 500 |

Invoice table

Foreign key

Primary key

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Invoice No. | Contractor | CustomerID | Research number | Research date | AnalysisID | Total price (no VAT) | VAT | Total price (with VAT) |
| 12 | Holmsen Aps | C001 | 200207 | 02/01/2016 | 10 | 2400 | 600 | 3000 |
| 12 | Holmsen Aps | C001 | 200207 | 02/01/2016 | 15 | 1500 | 375 | 1875 |

***3NF***

Customer table

Primary key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| CustomerID | Name | ZIP Code | City | Street | House |
| C001 | ØKOLOGIC | 8700 | Horsens | Chr.Østegårds Vej | 10 |

Contractor table

Primary key

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ContractorID | Name | ZIP Code | City | Street | House |
| CR001 | Holmsen Aps | 9990 | Fnatting | Vesterhavsvej | 25 |

Analysis table

Primary key

|  |  |  |
| --- | --- | --- |
| AnalysisID | Description | Price |
| 10 | Pesticide Test | 1200 |
| 15 | Bacteria analysis | 500 |

Research table

Foreign key

Primary key

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Research No. | Research date | AnalysisID | Amount | Total price |
| 200207 | 02/01/2016 | 10 | 2 | 2400 |
| 200207 | 02/01/2016 | 15 | 3 | 1500 |

Invoice table

Foreign key

Primary key

Foreign key

Foreign key

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Invoice No. | ContractorID | CustomerID | Research No. | Total price  (no VAT) | VAT | Total price  (with VAT) |
| 12 | CR001 | C001 | 200207 | 3900 | 975 | 4875 |