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9/24/16

A4

CIS 310-02

1.Natural Join between Employee and Job

1. Product Step:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| EMP\_CODE | EMP\_LNAME | JOB\_CODE | JOB\_CODE | JOB\_DESCRIPTION |
| 14 | Rudell | 2 | 1 | Clerical |
| 14 | Rudell | 2 | 2 | Technical |
| 14 | Rudell | 2 | 3 | Management |
| 15 | McDade | 1 | 1 | Clerical |
| 15 | McDade | 1 | 2 | Technical |
| 15 | McDade | 1 | 3 | Management |
| 16 | Ruellardo | 1 | 1 | Clerical |
| 16 | Ruellardo | 1 | 2 | Technical |
| 16 | Ruellardo | 1 | 3 | Management |
| 17 | Smith | 3 | 1 | Clerical |
| 17 | Smith | 3 | 2 | Technical |
| 17 | Smith | 3 | 3 | Management |
| 20 | Smith | 2 | 1 | Clerical |
| 20 | Smith | 2 | 2 | Technical |
| 20 | Smith | 2 | 3 | Management |
| 1. Select Step:  |  |  |  |  |  | | --- | --- | --- | --- | --- | | EMP\_CODE | EMP\_LNAME | JOB\_CODE | JOB\_CODE | JOB\_DESCRIPTION | | 14 | Rudell | 2 | 2 | Technical | | 15 | McDade | 1 | 1 | Clerical | | 16 | Ruellardo | 1 | 1 | Clerical | | 17 | Smith | 3 | 3 | Management | | 20 | Smith | 2 | 2 | Technical |  1. Project Step:  |  |  |  |  | | --- | --- | --- | --- | | EMP\_CODE | EMP\_LNAME | JOB\_CODE | JOB\_DESCRIPTION | | 14 | Rudell | 2 | Technical | | 15 | McDade | 1 | Clerical | | 16 | Ruellardo | 1 | Clerical | | 17 | Smith | 3 | Management | | 20 | Smith | 2 | Technical | | | | | |

2.Job Left Outer Join Employee

Add a Row to the Job Table:

|  |  |
| --- | --- |
| JOB\_CODE | JOB\_DESCRIPTION |
| 1 | Clerical |
| 2 | Technical |
| 3 | Management |
| 4 | Janitorial |

Q: List employee information along with their job information, but include job information even if it doesn’t have a related employee.

|  |  |  |  |
| --- | --- | --- | --- |
| EMP\_CODE | EMP\_LNAME | JOB\_CODE | JOB\_DESCRIPTION |
| 14 | Rudell | 2 | Technical |
| 15 | McDade | 1 | Clerical |
| 16 | Ruellardo | 1 | Clerical |
| 17 | Smith | 3 | Management |
| 20 | Smith | 2 | Technical |
|  |  | 4 | Janitorial |

3.Job Right Outer Join Employee

Make a change in a row of the employee table

|  |  |  |
| --- | --- | --- |
| EMP\_CODE | EMP\_LNAME | JOB\_CODE |
| 14 | Rudell | 2 |
| 15 | McDade | 1 |
| 16 | Ruellardo | 1 |
| 17 | Smith | 3 |
| 20 | Smith | 5 |

Q: List employee information along with their job information, but include employee information even if they don’t have a related job.

|  |  |  |  |
| --- | --- | --- | --- |
| EMP\_CODE | EMP\_LNAME | JOB\_CODE | JOB\_DESCRIPTION |
| 14 | Rudell | 2 | Technical |
| 15 | McDade | 1 | Clerical |
| 16 | Ruellardo | 1 | Clerical |
| 17 | Smith | 3 | Management |
| 20 | Smith | 5 |  |