**Damon Quire**

**CIS 310-01**

**Assignment 4**

**2/7/17**

14. Union Table:

|  |  |
| --- | --- |
| Chips | 1.5 |
| Cola | 1.25 |
| Energy Drink | 2 |
| Chips | 1.25 |
| Chocolate bar | 1 |

|  |  |
| --- | --- |
| Energy Drink | 2 |

16. Intersect:

17. MACHINE difference BOOTH:

|  |  |
| --- | --- |
| Chips | 1.5 |
| Cola | 1.25 |

Natural Join:

Original Tables:

|  |  |
| --- | --- |
| STU\_CODE | PROF\_CODE |
| 100278 |  |
| 128569 | 2 |
| 512272 | 4 |
| 531235 | 2 |
| 531268 |  |
| 553427 | 1 |

|  |  |
| --- | --- |
| PROF\_CODE | DEPT\_CODE |
| 1 | 2 |
| 2 | 6 |
| 3 | 6 |
| 4 | 4 |

Product:

|  |  |  |  |
| --- | --- | --- | --- |
| STU\_CODE | PROF\_CODE | PROF\_CODE | DEPT\_CODE |
| 100278 |  | 1 | 2 |
| 100278 |  | 2 | 6 |
| 100278 |  | 3 | 6 |
| 100278 |  | 4 | 4 |
| 128569 | 2 | 1 | 2 |
| 128569 | 2 | 2 | 6 |
| 128569 | 2 | 3 | 6 |
| 128569 | 2 | 4 | 4 |
| 512272 | 4 | 1 | 2 |
| 512272 | 4 | 2 | 6 |
| 512272 | 4 | 3 | 6 |
| 512272 | 4 | 4 | 4 |
| 531235 | 2 | 1 | 2 |
| 531235 | 2 | 2 | 6 |
| 531235 | 2 | 3 | 6 |
| 531235 | 2 | 4 | 4 |
| 531268 |  | 1 | 2 |
| 531268 |  | 2 | 6 |
| 531268 |  | 3 | 6 |
| 531268 |  | 4 | 4 |
| 553427 | 1 | 1 | 2 |
| 553427 | 1 | 2 | 6 |
| 553427 | 1 | 3 | 6 |
| 553427 | 1 | 4 | 4 |

Select only rows where PK and FK are the same:

|  |  |  |  |
| --- | --- | --- | --- |
| STU\_CODE | PROF\_CODE | PROF\_CODE | DEPT\_CODE |
| 128569 | 2 | 2 | 6 |
| 512272 | 4 | 4 | 4 |
| 531235 | 2 | 2 | 6 |
| 553427 | 1 | 1 | 2 |

Project to leave out duplicate columns:

|  |  |  |
| --- | --- | --- |
| STU\_CODE | PROF\_CODE | DEPT\_CODE |
| 128569 | 2 | 6 |
| 512272 | 4 | 4 |
| 531235 | 2 | 6 |
| 553427 | 1 | 2 |