Problem 6

1. Calendar Table

|  |  |  |  |
| --- | --- | --- | --- |
| **DateId** | **Day** | **Month** | **Year** |
| C10000211 | 1 | 2 | 2013 |
| C10000212 | 2 | 2 | 2013 |
| C10000213 | 3 | 2 | 2013 |
| C10000214 | 4 | 2 | 2013 |
| C10000215 | 5 | 2 | 2013 |
| C10000216 | 6 | 2 | 2013 |
| C10000217 | 7 | 2 | 2013 |
| C10000218 | 8 | 2 | 2013 |
| C10000219 | 9 | 2 | 2013 |
| C10000220 | 10 | 2 | 2013 |
| C10000221 | 11 | 2 | 2013 |
| C10000222 | 12 | 2 | 2013 |
| C10000223 | 13 | 2 | 2013 |
| C10000224 | 14 | 2 | 2013 |
| C10000225 | 15 | 2 | 2013 |
| C10000226 | 16 | 2 | 2013 |
| C10000227 | 17 | 2 | 2013 |

1. Product Table

|  |  |  |
| --- | --- | --- |
| MerchId | MerchName | MerchPrice |
| MC1 | Wilson balls | $3 |
| MC2 | Wilson racket | $200 |
| MC3 | Adidas shoes | $100 |
| MC4 | Racket stringing | $40 |

1. Franchise Table

|  |  |  |
| --- | --- | --- |
| *FranchId* | *FranchRegion* | *FranchZip* |
| F1 | Northwest | 98011 |
| F2 | Mountain | 80111 |
| F3 | Central | 45236 |

1. Customer Table

|  |  |  |  |
| --- | --- | --- | --- |
| *MmbrId* | *MmbrName* | *MmbrZip* | *MmbrEmail* |
| 1111 | Joe | 98011 | joe@serv1.com |
| 2222 | Mary | 80112 | mary@serv2.com |
| 3333 | Sue | 45327 | sue@serv3.com |
| 4444 | George | 45236 | george@serv4.com |

1. Service Category Table

|  |  |
| --- | --- |
| *ServCatId* | *ServCatName* |
| SC1 | Ball machine |
| SC2 | Private lesson |
| SC3 | Adult class |
| SC4 | Child class |

1. Special Events Table

|  |  |  |
| --- | --- | --- |
| *EventId* | *EventType* | *Amount* |
| CC1 | L-A | $1,000 |
| CC2 | L-B | $500 |
| CC3 | L-C | $200 |

1. SalesFact Table

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *Saleid* | *MerchId* | *ServCatId* | *Franchid* | *Mmbrid* | *date* | *SaleQty* | *SalePrice* |
| 10001 | Mc1 |  | F1 | 1111 | C10000220 | 2 |  |
| 10002 | Mc2 |  | F1 | 1111 | C10000220 | 1 |  |
| 10003 |  | Sc1 | F1 | 1111 | C10000230 |  | $15 |
| 10004 |  | Sc2 | F2 | 2222 | C10000240 |  | $75 |