**Creating Tables**

Laboratory Quiz

1. Create table PRODUCT on database HOPE schema STORE with the following properties: (20 points)

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Remarks |
| prodCode | VARCHAR(6) | Starts with prefix ‘PC’ concatenated 4-digit even numbers. Pad with zeroes. Start with number 0. Set this column as primary key |
| Description | VARCHAR(20) |  |
| Unit | CHAR(3) | Only accepts (‘EA’, ‘PC’, ‘PKG’, ‘MTR’) |
| UnitPrice | DECIMAL(10, 2) |  |
| Date\_Created | DATE |  |

1. Insert the following rows:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ProdCode** | **Description** | **Unit** | **UnitPrice** | **Date\_Created** |
| PC0000 | Mouse | EA | 200.00 | 2013-12-16 |
| PC0002 | AOC Monitor | PKG | 3500.00 | 2013-12-15 |
| PC0004 | Keyboard | PC | 150.00 | 2013-12-14 |
| PC0006 | Extension Cord | MTR | 20.00 | 2013-12-14 |
| PC0008 | Windows 8 OS | PKG | 12500.00 | 2013-12-12 |

HINT: Use CONCAT() to concatenate ‘PC’ with the sequence number during insertion

1. Formulate the other succeeding tables:

BRANCH (30 points)

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Remarks |
| Branch\_Code | VARCHAR(4) | Set this column as primary key |
| Branch\_Name | VARCHAR(20) |  |

Branch contains has the following data:

|  |  |
| --- | --- |
| BranchCode | Branch\_Name |
| MAN | Manila |
| DAV | Davao |
| CEB | Cebu |

TRANSACTION (30 points)

|  |  |  |
| --- | --- | --- |
| Column name | Data Type | Remarks |
| Transno | VARCHAR(6) | Starts with the prefix ‘TR’ concatenated with number. Start counting with 1. Set this as primary key |
| Sales\_Date | DATE |  |
| BranchCode | VARCHAR(4) | FOREIGN KEY referenced on branch table |

Transaction has the following data:

|  |  |  |
| --- | --- | --- |
| Transno | Sales\_Date | Branch\_Code |
| TR0001 | 2013-12-16 | MAN |
| TR0002 | 2013-12-16 | MAN |
| TR0003 | 2013-12-15 | DAV |
| TR0004 | 2013-12-14 | CEB |

TRANSDETAILS (20)

|  |  |  |
| --- | --- | --- |
| Column\_Name | Data Type | Remarks |
| TransNo | VARCHAR(6) | Referenced to transaction table. Set this as primary key |
| ProdCode | VARCHAR(6) | Referenced to product table. Set this as primary key |
| Quantity | DECIMAL(10,2) |  |

Transdetails contains the following data:

|  |  |  |
| --- | --- | --- |
| TransNo | ProdCode | Quantity |
| TR0001 | PC0002 | 1 |
| TR0001 | PC0004 | 2 |
| TR0002 | PC0000 | 3 |
| TR0003 | PC0002 | 2 |
| TR0003 | PC0006 | 1 |
| TR0003 | PC0008 | 2 |
| TR0004 | PC0004 | 5 |

Provide screen shot for every script.