**KIET GROUP OF INSTITUTIONS**

**DEPARTMENT OF COMPUTER APPLICATIONS**

**LAB ASSIGNMENT 6**

**DBMS Lab (KCA – 252)**

**Create the following tables & insert the records as given.**

1. **CLIENT\_MASTER (Used for storing client information)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attribute** |
| Client\_No | Varchar2 | 6 | Primary Key / Must Start with ‘C’ |
| Name | Varchar2 | 20 | Not Null |
| CITY | Varchar2 | 20 | Must be either from Delhi or Mumbai or Chennai only. |
| Pincode | Number | 6 |  |
| State | Varchar2 | 20 |  |
| BALDUE | Number | 10,2 |  |
| Email | Varchar2 | 30 | Always take unique value |

1. **PRODUCT\_MASTER (Used for storing Product Information)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attribute** |
| Product\_No | Varchar2 | 6 | Primary Key / Must Start with ‘P’ |
| Name | Varchar2 | 20 | Not Null |
| UnitMeasure | Varchar2 | 10 | Not Null |
| QtyOnHand | Number | 8 | Not Null, cannot less than ReorderLevel |
| ReorderLevel | Number | 8 | Not Null |
| SellPrice | Number | 8,2 | Not Null, cannot be 0 or -ve |
| CostPrice | Number | 8,2 | Not Null, cannot be 0 or -ve |

1. **SALESMAN\_MASTER (Used for storing salesman information)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attribute** |
| Salesman\_No | Varchar | 6 | Primary Key/First Letter must start with ‘S’ |
| Sal\_name | Varchar | 20 | Not Null |
| Address | Varchar | 40 | Not Null |
| City | Varchar | 20 |  |
| State | Varchar | 20 |  |
| Pincode | Number | 6 |  |
| Sal\_Amount | Number | 8,2 | Not Null, Cannot be 0 or -ve |
| Tgt\_to\_get | Number | 8,2 | Not Null, Cannot be 0 or -ve |
| Ytd\_Sales | Number | 8,2 | Not Null, Cannot be 0 or -ve |
| Remarks | Varchar | 30 |  |

1. **SALES\_ORDER (Used to store client’s orders)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attribute** |
| Order\_NO | Varchar2 | 6 | Primary Key/ First letter must start with ‘O’ |
| Order\_Date | Date |  | Not Null |
| Client\_No | Varchar2 | 6 | Foreign Key reference client no of Client\_Master table |
| Dely\_add | Varchar2 | 25 |  |
| Salesman\_No | Varchar2 | 6 | Foreign Key references Salesman\_No of Salesman\_Master table |
| Dely\_type | Char | 1 | Delivery part(P)/full(F), default F |
| Billed\_yn | Char | 1 | Values must be ‘Y’/’N’ |
| Dely\_Date | Date |  | Can not be less than Order\_Date |
| Order\_Status | Varchar2 | 10 | Values (‘In Process(IP)’; ’Fulfilled(F)’; ’Canceled(C)’ |

1. **SALES\_ORDER\_DETAILS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Size** | **Attribute** |
| Order\_No | Varchar | 6 | Primary Key/Foreign Key references Order\_No of Sales\_Order |
| Product\_No | Varchar2 | 6 | Primary Key/Foreign Key references Product\_No of Product\_Master |
| Qty\_Order | Number | 8 |  |
| Qty\_disp | Number | 8 |  |

**Data for** **CLIENT\_MASTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CLIENTNO** | **NAME** | **CITY** | **PINCODE** | **STATE** | **BALDUE** | **EMAIL** |
| C00001 | Pankaj Sharma | Delhi | 400054 | Delhi | 15000 | pk@gmail.com |
| C00002 | Yogesh Sharma | Delhi | 780001 | Delhi | 0 | [ys@gmail.com](mailto:ys@gmail.com) |
| C00003 | Aditya Singh | Mumbai | 400057 | Maharashtra | 5000 | [as@gmail.com](mailto:as@gmail.com) |
| C00004 | Ashwini Joshi | Chennai | 560001 | Tamil Nādu | 0 | [aj@gmail.com](mailto:aj@gmail.com) |
| C00005 | Neha Sharma | Mumbai | 400060 | Maharashtra | 2000 | [ns@gmail.com](mailto:ns@gmail.com) |
| C00006 | Divya Gupta | Chennai | 560050 | Tamil Nādu | 0 |  |

**Data for** **PRODUCT\_MASTER**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Product\_No** | **Name** | **Unit Measure** | **Qty OnHand** | **Reorder Level** | **Sell Price** | **Cost Price** |
| P00001 | T-Shirt | Piece | 200 | 50 | 350 | 250 |
| P03453 | Shirt | Piece | 150 | 50 | 500 | 350 |
| P06734 | Cotton Jeans | Piece | 100 | 20 | 600 | 450 |
| P07865 | Jeans | Piece | 100 | 20 | 750 | 500 |
| P07868 | Trouser | Piece | 150 | 50 | 850 | 550 |
| P07885 | Pull Over | Piece | 80 | 30 | 700 | 450 |
| P07965 | Denim Shirts | Piece | 100 | 40 | 350 | 250 |
| P07975 | Lycra Tops | Piece | 70 | 30 | 300 | 175 |
| P08865 | Skirts | Piece | 75 | 30 | 450 | 300 |

**Data For SALESMAN\_MASTER**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Salesman\_no** | **Name** | **Address** | **City** | **PIN** | **State** | **Salamt** | **Tgt\_To\_get** | **Ytd\_Sale** | **Remark** |
| S00001 | Kiran | A/14 worli | Mumbai | 400002 | Mah | 3000 | 100 | 50 | Good |
| S00002 | Manish | 65,nariman | Mumbai | 400001 | Mah | 3000 | 200 | 100 | Good |
| S00003 | Ravi | P-7 Bandra | Mumbai | 400032 | Mah | 3000 | 200 | 100 | Good |
| S00004 | Ashish | A/5 Juhu Bombay | Mumbai | 400044 | Mah | 3500 | 200 | 150 | Good |

**Data for SALES\_ORDER table:**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Orderno** | **S\_Orderdate** | **ClientNo** | **Delytype** | **BillYN** | **Salesmanno** | **Delydate** | **OrderStatus** |
| O19001 | 12-jan-21 | 0001 | F | N | S00001 | 20-jan-21 | IP |
| O19002 | 25-jan-21 | 0002 | P | N | S00002 | 27-jan-21 | C |
| O16865 | 18-feb-21 | 0003 | F | Y | S00003 | 20-feb-21 | F |
| O19003 | 03-apr-21 | 0001 | F | Y | S00001 | 07-apr-21 | F |
| O46866 | 20-may-21 | 0004 | P | N | S00002 | 22-may-21 | C |
| O10008 | 24-may-21 | 0005 | F | N | S00004 | 26-may-21 | IP |

**Data for SALES\_ORDER\_DETAILS table:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S\_order no** | **Productno** | **Qtyordered** | **Qtydisp** |
| O19001 | P00001 | 4 | 4 |
| O19001 | P07965 | 2 | 1 |
| O19001 | P07885 | 2 | 1 |
| O19002 | P00001 | 10 | 0 |
| O46865 | P07868 | 3 | 3 |
| O46865 | P07885 | 10 | 10 |
| O19003 | P00001 | 4 | 4 |
| O19003 | P03453 | 2 | 2 |
| 046866 | P06734 | 1 | 1 |
| 046866 | P07965 | 1 | 0 |
| 010008 | P07975 | 1 | 0 |
| 010008 | P00001 | 10 | 5 |