**SQL Queries**

**TABLE CREATION**

create table Production\_Order\_Details(Production\_Order\_No INT(20) PRIMARY KEY,

Planned\_Order\_No INT(20),

Material\_Code VARCHAR(50),

Storage\_Location VARCHAR(50),

Production\_Start\_Date DATE,

Production\_End\_Date DATE,

Production\_Cost INT(20),

Production\_Status VARCHAR(50),

Total\_Production\_Qty INT(20));

create table Planned\_Order\_Details(Planned\_Order\_No INT(20) PRIMARY KEY,

Material\_Code VARCHAR(50),

Planned\_Order\_Qty INT(20),

Planned\_Start\_Date DATE,

Planned\_End\_Date DATE,

Approved\_Production\_Qty INT(20),

Storage\_Location VARCHAR(50));

create table Inventory\_Details(Material\_Code VARCHAR(50) PRIMARY KEY,

Storage\_Location VARCHAR(50),

Available\_Qty INT(20),

Order\_No\_Reference INT(20),

Delivery\_Status VARCHAR(50),

Delivery\_Planned\_Date DATE,

Material\_return\_status VARCHAR(50));

create table Customer\_Details(Customer\_Code INT(20) PRIMARY KEY,

Gl\_Account INT(20),

Full\_Name VARCHAR(50),

Location VARCHAR(50),

Registered\_On DATE,

Payment\_Terms INT(20),

Active\_From DATE,

Active\_To DATE,

Currency INT(20));

create table Sales\_Order\_Details(Sales\_Document\_No VARCHAR(50) PRIMARY KEY,

Material\_Code VARCHAR(50),

Customer\_Code INT(20),

Document\_Date DATE,

Total\_Quantity INT(20),

Payment\_Status VARCHAR(50),

Delivery\_Date DATE,

Delivery\_Status VARCHAR(50),

Delivery\_Location VARCHAR(50));

create table Financial\_Information( Gl\_Account INT(20) PRIMARY KEY,

Customer\_Code INT(20),

Sales\_Document\_No VARCHAR(50),

Payment\_Aging\_Days INT(20),

Pending\_Payment\_Amount INT(20));

**FOREIGN KEY**

ALTER TABLE production\_order\_details

ADD FOREIGN KEY (Planned\_Order\_No) REFERENCES planned\_order\_details(Planned\_Order\_No);

ALTER TABLE production\_order\_details

ADD FOREIGN KEY (Material\_Code) REFERENCES inventory\_details(Material\_Code);

ALTER TABLE planned\_order\_details

ADD FOREIGN KEY (Material\_Code) REFERENCES inventory\_details(Material\_Code);

ALTER TABLE customer\_details

ADD FOREIGN KEY (Gl\_Account) REFERENCES financial\_information(Gl\_Account);

ALTER TABLE sales\_order\_details

ADD FOREIGN KEY (Material\_Code) REFERENCES inventory\_details(Material\_Code);

ALTER TABLE sales\_order\_details

ADD FOREIGN KEY (Material\_Code) REFERENCES inventory\_details(Material\_Code);

ALTER TABLE sales\_order\_details

ADD FOREIGN KEY (Customer\_Code) REFERENCES customer\_details(Customer\_Code);

ALTER TABLE financial\_information ADD FOREIGN KEY (Customer\_Code) REFERENCES customer\_details(Customer\_Code);

ALTER TABLE financial\_information

ADD FOREIGN KEY (Sales\_Document\_No) REFERENCES sales\_order\_details(Sales\_Document\_No);

**TABLE MODIFICATION**

ALTER TABLE financial\_information MODIFY Sales\_Document\_No VARCHAR(50);

ALTER TABLE customer\_details MODIFY Currency VARCHAR(50);

ALTER TABLE production\_order\_details MODIFY Production\_Cost INT(20);

ALTER TABLE production\_order\_details MODIFY Production\_Order\_No VARCHAR(50);

ALTER TABLE customer\_details MODIFY Currency INT(20) NOT NULL;

ALTER TABLE customer\_details MODIFY Location VARCHAR(50) NOT NULL;

ALTER TABLE customer\_details MODIFY Full\_Name VARCHAR(50) NOT NULL;

ALTER TABLE customer\_details MODIFY Registered\_On DATE NOT NULL;

ALTER TABLE production\_order\_details MODIFY Total\_Production\_Qty INT(20) NOT NULL;

ALTER TABLE planned\_order\_details MODIFY Approved\_Production\_Qty INT(20) NOT NULL;

ALTER TABLE planned\_order\_details MODIFY Planned\_Start\_Date DATE NOT NULL;

ALTER TABLE inventory\_details MODIFY Available\_Qty INT(20) NOT NULL;

ALTER TABLE inventory\_details MODIFY Delivery\_Status VARCHAR(50) NOT NULL;

ALTER TABLE inventory\_details MODIFY Order\_No\_Reference INT(20) NOT NULL;

ALTER TABLE sales\_order\_details MODIFY Payment\_Status VARCHAR(50) NOT NULL;

ALTER TABLE sales\_order\_details MODIFY Delivery\_Location VARCHAR(50) NOT NULL;

ALTER TABLE sales\_order\_details MODIFY Delivery\_Date DATE NOT NULL;

ALTER TABLE sales\_order\_details MODIFY Total\_Quantity INT(20) NOT NULL;

ALTER TABLE financial\_information MODIFY Pending\_Payment\_Amount INT(20) NOT NULL;

**VALUE INSERTION**

**Inventory\_Details TABLE:**

INSERT INTO inventory\_details VALUES('Ammonia', 'Bedford ', 100000, 2100000000, 'Delievery completed', '2022-03-01', 'N/A');

INSERT INTO inventory\_details VALUES('Caustic Soda', 'Bristol ', 100000, 2100000001, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Melamine', 'Buckinghamshire ', 100000, 2100000002, 'Delievery completed', '2022-04-01', 'Product Returned');

INSERT INTO inventory\_details VALUES('Formic acid', 'Cambridgeshire ', 100000, 2100000003, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Ethanol', 'Derbyshire ', 100000, 2100000004, 'Delievery completed', '2022-05-01', 'N/A');

INSERT INTO inventory\_details VALUES('Napththalene', 'East Sussex', 100000, 2100000005, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Activated Carbon', 'Hampshire', 100000, 2100000006, 'Delievery completed', '2022-07-01', 'N/A');

INSERT INTO inventory\_details VALUES('Aluminium Silicate', 'Nottingham', 100000, 2100000007, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Antifoam', 'Bedford ', 100000, 2100000008, 'Delievery completed', '2022-08-01', 'N/A');

INSERT INTO inventory\_details VALUES('Benzoic Acid', 'Bristol ', 100000, 2100000009, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Catalyst', 'Buckinghamshire ', 100000, 2100000010, 'Delievery completed', '2022-09-01', 'N/A');

INSERT INTO inventory\_details VALUES('Morpholine', 'Cambridgeshire ', 100000, 2100000011, 'Delievery completed', '2022-10-01', 'N/A');

INSERT INTO inventory\_details VALUES('Precipitated Silicon', 'Derbyshire ', 100000, 2100000012, 'Delivery planned', '2022-12-01', 'N/A');

INSERT INTO inventory\_details VALUES('Sodium Carbonate', 'East Sussex', 100000, 2100000013, 'Delievery completed', '2022-11-01', 'N/A');

INSERT INTO inventory\_details VALUES('Spares', 'East Sussex', 100000, 2100000014, 'Delivery planned', '2022-12-01', 'N/A');

**Planned\_Order\_Details TABLE**

INSERT INTO planned\_order\_details VALUES(60000000, 'Ammonia', 14214, '2021-09-29', '2021-12-18', 11371, 'Bedford ');

INSERT INTO planned\_order\_details VALUES(60000001, 'Caustic Soda', 10000, '2021-10-04', '2021-12-28', 8500, 'Bristol ');

INSERT INTO planned\_order\_details VALUES(60000002, 'Melamine', 10000, '2021-10-04', '2021-12-13', 7000, 'Buckinghamshire ');

INSERT INTO planned\_order\_details VALUES(60000003, 'Formic acid', 10000, '2021-10-04', '2021-12-03', 6000, 'Cambridgeshire ');

INSERT INTO planned\_order\_details VALUES(60000004, 'Ethanol', 10000, '2021-10-04', '2021-11-23', 5000, 'Derbyshire ');

INSERT INTO planned\_order\_details VALUES(60000005, 'Napththalene', 10000, '2021-10-05', '2022-01-12', 9900, 'East Sussex');

INSERT INTO planned\_order\_details VALUES(60000006, 'Activated Carbon', 10000, '2021-10-11', '2021-11-14', 3400, 'Hampshire');

INSERT INTO planned\_order\_details VALUES(60000007, 'Aluminium Silicate', 10000, '2021-10-24', '2021-12-27', 6400, 'Nottingham');

INSERT INTO planned\_order\_details VALUES(60000008, 'Antifoam', 10000, '2021-11-22', '2022-01-26', 6500, 'Bedford ');

INSERT INTO planned\_order\_details VALUES(60000009, 'Benzoic Acid', 10000, '2021-11-22', '2022-02-17', 8700, 'Bristol ');

INSERT INTO planned\_order\_details VALUES(60000010, 'Catalyst', 10000, '2021-11-22', '2022-02-19', 8900, 'Buckinghamshire ');

INSERT INTO planned\_order\_details VALUES(60000011, 'Morpholine', 10000, '2021-11-22', '2022-02-22', 9200, 'Cambridgeshire ');

INSERT INTO planned\_order\_details VALUES(60000013, 'Precipitated Silicon', 10000, '2021-11-23', '2022-01-18', 5600, 'Derbyshire ');

INSERT INTO planned\_order\_details VALUES(60000014, 'Sodium Carbonate', 10000, '2021-11-24', '2022-02-11', 7900, 'East Sussex');

INSERT INTO planned\_order\_details VALUES(60000015, 'Spares', 10000, '2021-11-24', '2022-01-12', 4900, 'East Sussex');

INSERT INTO planned\_order\_details VALUES(60000016, 'Ammonia', 10000, '2021-11-24', '2022-02-12', 8000, 'Bedford ');

INSERT INTO planned\_order\_details VALUES(60000017, 'Caustic Soda', 10000, '2021-11-24', '2022-02-17', 8500, 'Bristol ');

INSERT INTO planned\_order\_details VALUES(60000018, 'Melamine', 10000, '2021-11-24', '2022-02-02', 7000, 'Buckinghamshire ');

INSERT INTO planned\_order\_details VALUES(60000019, 'Formic acid', 5565, '2021-11-29', '2022-01-28', 3339, 'Cambridgeshire ');

INSERT INTO planned\_order\_details VALUES(60000020, 'Ethanol', 5565, '2021-12-07', '2022-01-26', 2783, 'Derbyshire ');

**Production\_Order\_Details TABLE**

INSERT INTO production\_order\_details VALUES(4900000000, 60000000, 'Ammonia', 'Bedford ', '2021-09-29', '2021-09-29', 56855000, 'Production Completed', 11371);

INSERT INTO production\_order\_details VALUES(4900000001, 60000001, 'Caustic Soda', 'Bristol ', '2021-10-04', '2021-10-04', 21250000, 'Production Completed', 8500);

INSERT INTO production\_order\_details VALUES(4900000002, 60000002, 'Melamine', 'Buckinghamshire ', '2021-10-04', '2021-10-04', 23467500, 'Production Completed', 7000);

INSERT INTO production\_order\_details VALUES(4900000003, 60000003, 'Formic acid', 'Cambridgeshire ', '2021-10-04', '2021-10-04', 6120000, 'Production Completed', 6000);

INSERT INTO production\_order\_details VALUES(4900000004, 60000004, 'Ethanol', 'Derbyshire ', '2021-10-04', '2021-10-04', 22500000, 'Production Completed', 5000);

INSERT INTO production\_order\_details VALUES(4900000005, 60000005, 'Napththalene', 'East Sussex', '2021-10-05', '2021-10-05', 59400000, 'Production Completed', 9900);

INSERT INTO production\_order\_details VALUES(4900000006, 60000006, 'Activated Carbon', 'Hampshire', '2021-10-11', '2021-10-11', 42500000, 'Production Completed', 3400);

INSERT INTO production\_order\_details VALUES(4900000007, 60000007, 'Aluminium Silicate', 'Nottingham', '2021-10-24', '2021-10-24', 24000000, 'Production Completed', 6400);

INSERT INTO production\_order\_details VALUES(4900000008, 60000008, 'Antifoam', 'Bedford ', '2021-11-22', '2021-11-22', 8125000, 'Production Completed', 6500);

INSERT INTO production\_order\_details VALUES(4900000009, 60000009, 'Benzoic Acid', 'Bristol ', '2021-11-22', '2021-11-22', 4350000, 'Production Completed', 8700);

INSERT INTO production\_order\_details VALUES(4900000010, 60000010, 'Catalyst', 'Buckinghamshire ', '2021-11-22', '2021-11-22', 6675000, 'Production Completed', 8900);

INSERT INTO production\_order\_details VALUES(4900000011, 60000011, 'Morpholine', 'Cambridgeshire ', '2021-11-22', '2021-11-22', 16100000, 'Production Completed', 9200);

INSERT INTO production\_order\_details VALUES(4900000012, 60000013, 'Precipitated Silicon', 'Derbyshire ', '2021-11-23', '2021-11-23', 11200000, 'Production Completed', 5600);

INSERT INTO production\_order\_details VALUES(4900000013, 60000014, 'Sodium Carbonate', 'East Sussex', '201-11-24', '2021-11-24', 11060000, 'Production Completed', 7900);

INSERT INTO production\_order\_details VALUES(4900000014, 60000015, 'Spares', 'East Sussex', '2021-11-24', '2021-11-24', 2450000, 'Production Completed', 4900);

INSERT INTO production\_order\_details VALUES(4900000015, 60000016, 'Ammonia', 'Bedford ', '2021-11-24', '2021-11-24', 40000000, 'Production Completed', 8000);

INSERT INTO production\_order\_details VALUES(4900000016, 60000017, 'Caustic Soda', 'Bristol ', '2021-11-24', '2021-11-24', 21250000, 'Production Completed', 8500);

INSERT INTO production\_order\_details VALUES(4900000017, 60000018, 'Melamine', 'Buckinghamshire ', '2021-11-24', '2021-11-24', 23467500, 'Production Completed', 7000);

INSERT INTO production\_order\_details VALUES(4900000018, 60000019, 'Formic acid', 'Cambridgeshire ', '2021-11-29', '2021-11-29', 3405780, 'Production Completed', 3339);

INSERT INTO production\_order\_details VALUES(4900000019, 60000020, 'Ethanol', 'Derbyshire ', '2021-12-07', '2021-12-07', 12523500, 'Production Completed', 2783);

**Customer\_Details TABLE**

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(23000, 'LG CHEMICALS', 'Singapore', '2022-01-01', 30, '2022-01-01', '2023-01-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(24000, 'MITSUBISHI CHEMICAL', 'Sri Lanka', '2022-02-01', 30, '2022-02-01', '2023-02-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(25000, 'LYONDELLBASELL INDUSTRIES', 'Switzerland', '2022-03-01', 30, '2022-03-01', '2023-03-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(26000, 'EXXONMOBIL CHEMICAL', 'India', '2022-03-01', 30, '2022-03-01', '2023-03-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(27000, 'SUMITOMO CHEMICAL', 'United States of America', '2022-04-01', 30, '2022-04-01', '2023-04-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(28000, 'TORAY INDUSTRIES', 'United Kingdom', '2022-04-01', 30, '2022-04-01', '2023-04-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(29000, 'RELIANCE INDUSTRIES', 'Singapore', '2022-05-01', 30, '2022-05-01', '2023-05-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(30000, 'SHELL CHEMICALS', 'Sri Lanka', '2022-06-01', 30, '2022-06-01', '2023-06-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(31000, 'WESTLAKE CHEMICAL', 'Switzerland', '2022-07-01', 60, '2022-07-01', '2023-07-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(32000, 'International Petrochemical Company', 'Singapore', '2022-07-01', 60, '2022-07-01', '2023-07-03', 'USD');

INSERT INTO Customer\_Details (Customer\_Code, Full\_Name, Location, Registered\_On, Payment\_Terms, Active\_From, Active\_To, Currency) VALUES(33000, 'Tata Chemicals', 'India', '2022-08-01', 60, '2022-08-01', '2023-08-03', 'USD');

**Sales\_Order\_Details TABLE**

INSERT INTO Sales\_Order\_Details VALUES('9100000000', 'Ammonia', 23000, '2022-01-01', 100, 'Payment Completed', '2022-03-01', 'Delivered', 'Singapore');

INSERT INTO Sales\_Order\_Details VALUES('9100000001', 'Caustic Soda', 24000, '2022-02-01', 200, 'Payment Pending', '', 'Delivery pending', 'Sri Lanka');

INSERT INTO Sales\_Order\_Details VALUES('9100000002', 'Melamine', 25000, '2022-03-01', 300, 'Payment Completed', '2022-04-01', 'Delivered', 'Switzerland');

INSERT INTO Sales\_Order\_Details VALUES('9100000003', 'Formic acid', 26000, '2022-03-01', 100, 'Payment Pending', '', 'Delivery pending', 'India');

INSERT INTO Sales\_Order\_Details VALUES('9100000004', 'Ethanol', 27000, '2022-04-01', 200, 'Payment Completed', '2022-05-01', 'Delivered', 'United States of America');

INSERT INTO Sales\_Order\_Details VALUES('9100000005', 'Napththalene', 28000, '2022-04-01', 300, 'Payment Pending', '', 'Delivery pending', 'United Kingdom');

INSERT INTO Sales\_Order\_Details VALUES('9100000006', 'Activated Carbon', 29000, '2022-05-01', 100, 'Payment Completed', '2022-07-01', 'Delivered', 'Singapore');

INSERT INTO Sales\_Order\_Details VALUES('9100000007', 'Aluminium Silicate', 30000, '2022-06-01', 200, 'Payment Pending', '', 'Delivery pending', 'Sri Lanka');

INSERT INTO Sales\_Order\_Details VALUES('9100000008', 'Antifoam', 31000, '2022-07-01', 300, 'Payment Completed', '2022-08-01', 'Delivered', 'Switzerland');

INSERT INTO Sales\_Order\_Details VALUES('9100000009', 'Benzoic Acid', 32000, '2022-07-01', 100, 'Payment Pending', '', 'Delivery pending', 'Singapore');

INSERT INTO Sales\_Order\_Details VALUES('9100000010', 'Catalyst', 33000, '2022-08-01', 200, 'Payment Completed', '2022-09-01', 'Delivered', 'Singapore');

INSERT INTO Sales\_Order\_Details VALUES('9100000011', 'Morpholine', 29000, '2022-09-01', 100, 'Payment Completed', '2022-10-01', 'Delivered', 'Switzerland');

INSERT INTO Sales\_Order\_Details VALUES('9100000012', 'Precipitated Silicon', 30000, '2022-09-01', 100, 'Payment Pending', '', 'Delivery pending', 'India');

INSERT INTO Sales\_Order\_Details VALUES('9100000013', 'Sodium Carbonate', 31000, '2022-10-01', 200, 'Payment Completed', '2022-11-01', 'Delivered', 'United States of America');

INSERT INTO Sales\_Order\_Details VALUES('9100000014', 'Spares', 32000, '2022-11-01', 300, 'Payment Pending', '', 'Delivery pending', 'United Kingdom');

**Financial\_Information TABLE**

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000001', 9100000000, 30, 0);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000002', 9100000001, 30, 122345);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000003', 9100000002, 30, 0);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000004', 9100000003, 30, 455678);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000005', 9100000004, 30, 0);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000006', 9100000005, 30, 357987);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000007', 9100000006, 30, 0);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000008', 9100000007, 30, 945460);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000009', 9100000008, 60, 0);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000010', 9100000009, 60, 280670);

INSERT INTO Financial\_Information (Gl\_Account, Sales\_Document\_No, Payment\_Aging\_Days, Pending\_Payment\_Amount) VALUES('450000011', 9100000010, 60, 0);

**UPDATION OF Customer\_Code in Financial\_Information**

UPDATE financial\_information SET Customer\_Code = 23000 where Gl\_Account='450000001';

UPDATE financial\_information SET Customer\_Code = 24000 where Gl\_Account='450000002';

UPDATE financial\_information SET Customer\_Code = 25000 where Gl\_Account='450000003';

UPDATE financial\_information SET Customer\_Code = 26000 where Gl\_Account='450000004';

UPDATE financial\_information SET Customer\_Code = 27000 where Gl\_Account='450000005';

UPDATE financial\_information SET Customer\_Code = 28000 where Gl\_Account='450000006';

UPDATE financial\_information SET Customer\_Code = 29000 where Gl\_Account='450000007';

UPDATE financial\_information SET Customer\_Code = 30000 where Gl\_Account='450000008';

UPDATE financial\_information SET Customer\_Code = 31000 where Gl\_Account='450000009';

UPDATE financial\_information SET Customer\_Code = 32000 where Gl\_Account='4500000010';

UPDATE financial\_information SET Customer\_Code = 33000 where Gl\_Account='4500000011';

**UPDATION OF Gl\_Account in Customer\_Details**

UPDATE customer\_details SET Gl\_Account='450000001' where Customer\_Code = 23000;

UPDATE customer\_details SET Gl\_Account='450000002' where Customer\_Code = 24000;

UPDATE customer\_details SET Gl\_Account='450000003' where Customer\_Code = 25000;

UPDATE customer\_details SET Gl\_Account='450000004' where Customer\_Code = 26000;

UPDATE customer\_details SET Gl\_Account='450000005' where Customer\_Code = 27000;

UPDATE customer\_details SET Gl\_Account='450000006' where Customer\_Code = 28000;

UPDATE customer\_details SET Gl\_Account='450000007' where Customer\_Code = 29000;

UPDATE customer\_details SET Gl\_Account='450000008' where Customer\_Code = 30000;

UPDATE customer\_details SET Gl\_Account='450000009' where Customer\_Code = 31000;

UPDATE customer\_details SET Gl\_Account='450000010' where Customer\_Code = 32000;

UPDATE customer\_details SET Gl\_Account='450000011' where Customer\_Code = 33000;

**UPDATION OF sales\_order\_details**

UPDATE sales\_order\_details SET Total\_Quantity = 500000 where Sales\_Document\_No='9100000000';

UPDATE sales\_order\_details SET Total\_Quantity = 500000 where Sales\_Document\_No='9100000001';

UPDATE sales\_order\_details SET Total\_Quantity = 1005750 where Sales\_Document\_No='9100000002';

UPDATE sales\_order\_details SET Total\_Quantity = 102000 where Sales\_Document\_No='9100000003';

UPDATE sales\_order\_details SET Total\_Quantity = 900000 where Sales\_Document\_No='9100000004';

UPDATE sales\_order\_details SET Total\_Quantity = 1800000 where Sales\_Document\_No='9100000005';

UPDATE sales\_order\_details SET Total\_Quantity = 1250000 where Sales\_Document\_No='9100000006';

UPDATE sales\_order\_details SET Total\_Quantity = 750000 where Sales\_Document\_No='9100000007';

UPDATE sales\_order\_details SET Total\_Quantity = 375000 where Sales\_Document\_No='9100000008';

UPDATE sales\_order\_details SET Total\_Quantity = 50000 where Sales\_Document\_No='9100000009';

UPDATE sales\_order\_details SET Total\_Quantity = 150000 where Sales\_Document\_No='9100000010';

UPDATE sales\_order\_details SET Total\_Quantity = 175000 where Sales\_Document\_No='9100000011';

UPDATE sales\_order\_details SET Total\_Quantity = 200000 where Sales\_Document\_No='9100000012';

UPDATE sales\_order\_details SET Total\_Quantity = 280000 where Sales\_Document\_No='9100000013';

UPDATE sales\_order\_details SET Total\_Quantity = 150000 where Sales\_Document\_No='9100000014';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000000';

UPDATE sales\_order\_details SET TOTAL\_QTY = 200 where Sales\_Document\_No='9100000001';

UPDATE sales\_order\_details SET TOTAL\_QTY = 300 where Sales\_Document\_No='9100000002';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000003';

UPDATE sales\_order\_details SET TOTAL\_QTY = 200 where Sales\_Document\_No='9100000004';

UPDATE sales\_order\_details SET TOTAL\_QTY = 300 where Sales\_Document\_No='9100000005';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000006';

UPDATE sales\_order\_details SET TOTAL\_QTY = 200 where Sales\_Document\_No='9100000007';

UPDATE sales\_order\_details SET TOTAL\_QTY = 300 where Sales\_Document\_No='9100000008';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000009';

UPDATE sales\_order\_details SET TOTAL\_QTY = 200 where Sales\_Document\_No='9100000010';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000011';

UPDATE sales\_order\_details SET TOTAL\_QTY = 100 where Sales\_Document\_No='9100000012';

UPDATE sales\_order\_details SET TOTAL\_QTY = 200 where Sales\_Document\_No='9100000013';

UPDATE sales\_order\_details SET TOTAL\_QTY = 300 where Sales\_Document\_No='9100000014';

**UPDATION OF customer\_details**

UPDATE customer\_details SET Registered\_On = '2022-01-01', Active\_From='2022-01-01' where Gl\_Account='450000001';

UPDATE customer\_details SET Registered\_On = '2021-02-01', Active\_From='2021-02-01' where Gl\_Account='450000002';

UPDATE customer\_details SET Registered\_On = '2021-03-01', Active\_From='2021-03-01' where Gl\_Account='450000003';

UPDATE customer\_details SET Registered\_On = '2022-03-01', Active\_From='2022-03-01' where Gl\_Account='450000004';

UPDATE customer\_details SET Registered\_On = '2022-04-01', Active\_From='2022-04-01' where Gl\_Account='450000005';

UPDATE customer\_details SET Registered\_On = '2021-04-01', Active\_From='2021-02-01' where Gl\_Account='450000006';

UPDATE customer\_details SET Registered\_On = '2022-05-01', Active\_From='2022-05-01' where Gl\_Account='450000007';

UPDATE customer\_details SET Registered\_On = '2022-06-01', Active\_From='2022-06-01' where Gl\_Account='450000008';

UPDATE customer\_details SET Registered\_On = '2021-07-01', Active\_From='2021-07-01' where Gl\_Account='450000009';

UPDATE customer\_details SET Registered\_On = '2022-07-01', Active\_From='2022-07-01' where Gl\_Account='450000010';

UPDATE customer\_details SET Registered\_On = '2021-08-01', Active\_From='2021-08-01' where Gl\_Account='450000011';

UPDATE sales\_order\_details SET Payment\_Status = 'Payment Completed' where Sales\_Document\_No='9100000012';

UPDATE sales\_order\_details SET Payment\_Status = 'Payment Completed' where Sales\_Document\_No='9100000014';

Alter TABLE planned\_order\_details drop COLUMN Approved\_Production\_Qty;

ALTER TABLE sales\_order\_details ADD COLUMN TOTAL\_QTY INT(20);

ALTER TABLE sales\_order\_details CHANGE `Total\_Quantity` `Total\_Amount` INT(20);

**Scenario 1**

SELECT pl.Material\_Code, pl.Planned\_Order\_Qty, pr.Total\_Production\_Qty, (pr.Total\_Production\_Qty/pl.Planned\_Order\_Qty\*100) as 'PERCENTAGE OF PRODUCATION'

FROM planned\_order\_details pl, production\_order\_details pr

WHERE PL.Planned\_Order\_No = pr.Planned\_Order\_No;

**Scenario 2**

SELECT i.Material\_Code, i.Storage\_Location, SUM(i.Available\_Qty) as 'Available\_Qty', SUM(s.Total\_Quantity) as 'Total\_Quantity'

FROM inventory\_details i join sales\_order\_details s

where i.Material\_Code = s.Material\_Code

GROUP BY i.Storage\_Location;

**Scenario 3**

SELECT YEAR(Active\_From) as 'Year', COUNT(YEAR(Active\_From)) as 'Active'

FROM customer\_details

GROUP BY YEAR(Active\_From);

**Scenario 4**

SELECT c.Full\_Name, f.Payment\_Aging\_Days, f.Pending\_Payment\_Amount

FROM financial\_information f JOIN sales\_order\_details s on

f.Customer\_Code = s.Customer\_Code JOIN customer\_details c on f.Gl\_Account = c.Gl\_Account

WHERE s.Payment\_Status ='Payment Pending';

**Scenario 5**

SELECT p.Material\_Code, (i.Available\_Qty - SUM(p.Total\_Production\_Qty)) as 'Remaining'

FROM production\_order\_details p INNER JOIN planned\_order\_details pl ON p.Planned\_Order\_No = pl.Planned\_Order\_No

INNER JOIN inventory\_details i ON pl.Material\_Code = i.Material\_Code

Group BY p.Material\_Code;

**Scenario 6**

SELECT Material\_Code, Delivery\_Status, Delivery\_Location

FROM sales\_order\_details

WHERE Delivery\_Status = 'Delivery Pending';

**Scenario 7**

SELECT c.Full\_Name, i.Order\_No\_Reference, i.Material\_Code, s.Delivery\_Location

FROM sales\_order\_details s join inventory\_details i on s.Material\_Code = i.Material\_Code

JOIN customer\_details c on s.Customer\_Code = c.Customer\_Code

WHERE i.Material\_return\_status = 'Product Returned';