Hexaware Foundation Training 2025

Sql / Java Assignments

Courier Management System

25/03/2025

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Task 1 Query:

```
create database cour;
use cour;
create table User (
      UserID INT PRIMARY KEY,
      Name VARCHAR(255),
      Email VARCHAR(255) UNIQUE,
      Password VARCHAR(255),
      ContactNumber VARCHAR(20),
      Address TEXT
);
create table Courier (
      CourierID INT PRIMARY KEY,
      SenderName VARCHAR(255),
      SenderAddress TEXT,
      ReceiverName VARCHAR(255),
      Receiver Address TEXT,
      Weight DECIMAL(5, 2),
      Status VARCHAR(50),
      TrackingNumber VARCHAR(20) UNIQUE,
      DeliveryDate DATE);
create table CourierServices(
      ServiceID INT PRIMARY KEY,
      ServiceName VARCHAR(100),
      Cost DECIMAL(8, 2));
create table Employee(
      EmployeeID INT PRIMARY KEY,
      Name VARCHAR(255),
      Email VARCHAR(255) UNIQUE,
      ContactNumber VARCHAR(20),
      Role VARCHAR(50),
      Salary DECIMAL(10, 2));
create table Location(
      LocationID INT PRIMARY KEY,
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LocationName VARCHAR(100),

Address TEXT);

create table Payment(

PaymentID INT PRIMARY KEY,

CourierID INT,

LocationId INT.

Amount DECIMAL(10, 2),

PaymentDate DATE,

FOREIGN KEY (CourierID) REFERENCES Courier(CourierID),

FOREIGN KEY (LocationID) REFERENCES Location(LocationID));

INSERT INTO User (UserID, Name, Email, Password, ContactNumber, Address) VALUES

- (1, 'Divya Nair', 'divya.nair@email.com', 'secure123', '+919876123450', '15, Park Street, Kochi, Kerala'),
- (2, 'Manish Sharma', 'manish.sharma@email.com', 'pass456', '+918765987651', '22, MG Road, Jaipur, Rajasthan'),
- (3, 'Sneha Kapoor', 'sneha.kapoor@email.com', 'strong789', '+917654123452', '30, Anna Salai, Chennai, Tamil Nadu'),
- (4, 'Ravi Singh', 'ravi.singh@email.com', 'myPass00', '+916543987653', '45, Ring Road, Delhi'),
- (5, 'Asha Reddy', 'asha.reddy@email.com', 'reddy1234', '+915432123454', '58, Jubilee Hills, Hyderabad, Telangana'),
- (6, 'Vikram Menon', 'vikram.menon@email.com', 'menon5678', '+914321987655', '62, Church Street, Bangalore, Karnataka'),
- (7, 'Pooja Joshi', 'pooja.joshi@email.com', 'joshi9012', '+913210123456', '70, Mall Road, Shimla, Himachal Pradesh'),
- (8, 'Gaurav Patel', 'gaurav.patel@email.com', 'patel3456', '+912109987657', '88, FC Road, Pune, Maharashtra'),
- (9, 'Anjali Verma', 'anjali.verma@email.com', 'verma7890', '+911098123458', '95, Park Street, Kolkata, West Bengal'),
- (10, 'Karthik Kumar', 'karthik.kumar@email.com', 'kumar1111', '+919988987659', '100, Brigade Road, Bangalore, Karnataka');

INSERT INTO Courier (CourierID, SenderName, SenderAddress, ReceiverName, ReceiverAddress, Weight, Status, TrackingNumber, DeliveryDate) VALUES

- (1, 'Divya Nair', '15, Park Street, Kochi, Kerala', 'Manish Sharma', '22, MG Road, Jaipur, Rajasthan', 3.50, 'In Transit', 'TN1234567891', '2023-12-11'),
- (2, 'Sneha Kapoor', '30, Anna Salai, Chennai, Tamil Nadu', 'Ravi Singh', '45, Ring Road, Delhi', 6.75, 'Delivered', 'DL9876543211', '2023-12-13'),
- (3, 'Asha Reddy', '58, Jubilee Hills, Hyderabad, Telangana', 'Vikram Menon', '62, Church Street, Bangalore, Karnataka', 2.20, 'Pending', 'KL5678901235', '2023-12-16'),
- (4, 'Vikram Menon', '62, Church Street, Bangalore, Karnataka', 'Pooja Joshi', '70, Mall Road, Shimla, Himachal Pradesh', 4.00, 'In Transit', 'HP1234987651', '2023-12-19'),
- (5, 'Pooja Joshi', '70, Mall Road, Shimla, Himachal Pradesh', 'Gaurav Patel', '88, FC Road, Pune, Maharashtra', 8.00, 'Delivered', 'RJ0987123457', '2023-12-21'),
- (6, 'Gaurav Patel', '88, FC Road, Pune, Maharashtra', 'Anjali Verma', '95, Park Street,

Kolkata, West Bengal', 5.80, 'Pending', 'WB6543219871', '2023-12-23'),

- (7, 'Anjali Verma', '95, Park Street, Kolkata, West Bengal', 'Karthik Kumar', '100, Brigade Road, Bangalore, Karnataka', 3.10, 'In Transit', 'MH3210987655', '2023-12-25'),
- (8, 'Karthik Kumar', '100, Brigade Road, Bangalore, Karnataka', 'Divya Nair', '15, Park Street, Kochi, Kerala', 7.30, 'Delivered', 'KA7890123457', '2023-12-27'),
- (9, 'Manish Sharma', '22, MG Road, Jaipur, Rajasthan', 'Sneha Kapoor', '30, Anna Salai, Chennai, Tamil Nadu', 2.80, 'Pending', 'TN1029384757', '2023-12-29'),
- (10, 'Ravi Singh', '45, Ring Road, Delhi', 'Asha Reddy', '58, Jubilee Hills, Hyderabad, Telangana', 9.20, 'In Transit', 'AP6574839202', '2023-12-31');

INSERT INTO CourierServices (ServiceID, ServiceName, Cost) VALUES

- (1, 'Standard', 200.00),
- (2, 'Express', 400.00),
- (3, 'SameDay', 600.00),
- (4, 'Intl', 1500.00),
- (5, 'Heavy', 500.00),
- (6, 'Docs', 150.00),
- (7, 'Fragile', 300.00),
- (8, 'Rural', 250.00),
- (9, 'Overnight', 450.00),
- (10, 'Bulk', 900.00);

INSERT INTO Employee (EmployeeID, Name, Email, ContactNumber, Role, Salary) VALUES

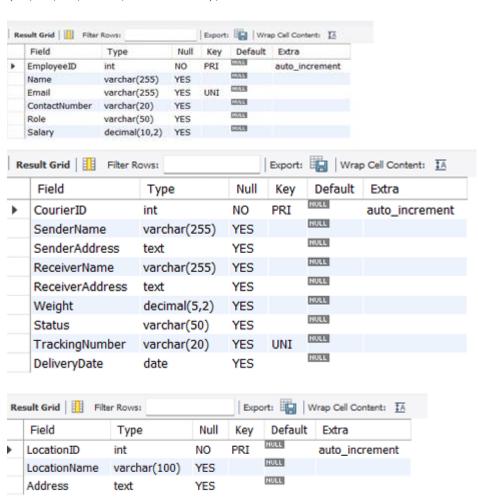
- (1, 'Rajesh Kumar', 'rajesh.kumar@email.com', '+919911223355', 'Manager', 60000.00),
- (2, 'Seema Kumari', 'seema.kumari@email.com', '+918877665555', 'Supervisor', 40000.00),
- (3, 'Mahesh Nair', 'mahesh.nair@email.com', '+917766554444', 'Driver', 30000.00),
- (4, 'Deepa Desai', 'deepa.desai@email.com', '+916655443333', 'Customer', 33000.00),
- (5, 'Ajay Singh', 'ajay.singh@email.com', '+915544332222', 'Warehouse', 25000.00),
- (6, 'John Doe', 'rekha.rao@email.com', '+914433221111', 'Accountant', 35000.00),
- (7, 'Suresh Gupta', 'suresh.gupta@email.com', '+913322119999', 'IT', 33000.00),
- (8, 'Geeta Iyer', 'geeta.iyer@email.com', '+912211998888', 'HR', 50000.00),
- (9, 'Rakesh Patel', 'rakesh.patel@email.com', '+911199887777', 'Logistics', 43000.00),
- (10, 'Sunita Sharma', 'sunita.sharma@email.com', '+919988776666', 'Admin', 38000.00);

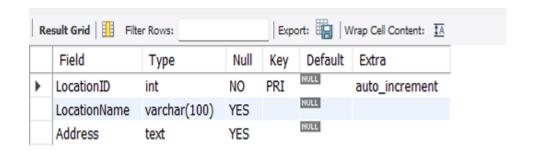
INSERT INTO Location (LocationID, LocationName, Address) VALUES

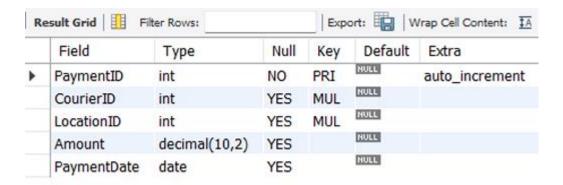
- (1, 'Bangalore Hub', '10, Brigade Road, Bangalore'),
- (2, 'Mumbai Depot', '25, Linking Road, Mumbai'),
- (3, 'Delhi Office', '40, Connaught Place, Delhi'),
- (4, 'Chennai Branch', '60, Mount Road, Chennai'),
- (5, 'Hyderabad Center', '80, Banjara Hills, Hyderabad'),
- (6, 'Kolkata Site', '90, Park Street, Kolkata'),
- (7, 'Pune Station', '110, FC Road, Pune'),
- (8, 'Jaipur Warehouse', '130, MI Road, Jaipur'),
- (9, 'Kochi Terminal', '150, MG Road, Kochi'),
- (10, 'Shimla Point', '170, Mall Road, Shimla');

INSERT INTO Payment (PaymentID, CourierID, LocationId, Amount, PaymentDate) VALUES

- (1, 1, 1, 350.00, '2023-12-12'),
- (2, 2, 2, 65.00, '2023-12-14'),
- (3, 3, 3, 55.00, '2023-12-17'),
- (4, 4, 4, 40.00, '2023-12-20'),
- (5, 5, 5, 30.00, '2023-12-22'),
- (6, 6, 6, 50.00, '2023-12-24'),
- (7, 7, 7, 20.00, '2023-12-26'),
- (8, 8, 8, 70.00, '2023-12-28'),
- (9, 9, 9, 80.00, '2023-12-30'),
- (10, 10, 10, 90.00, '2024-01-01');







ER Diagram

