

HEXWARE ASSIGNMENT
ASSIGNMENT 4- COURIER MANAGEMENT SYSTEM
TASK 1

(Used MySql Command Line Client – Unicode)

TABLE CREATION:

```
mysql> CREATE DATABASE ASSIGNMENT;
```

Query OK, 1 row affected (0.03 sec)

```
mysql> show databases;
```

```
+-----+
| Database      |
+-----+
| assignment    |
| information_schema |
| mysql         |
| performance_schema |
| sys           |
| testdb        |
+-----+
```

6 rows in set (0.00 sec)

```
mysql> use assignment;
```

Database changed

```
mysql> CREATE TABLE User (UserID int, Name varchar(255), Email
varchar(255), Password varchar(255), ContactNumber varchar(255), Address
TEXT, CONSTRAINT user_userid_pk PRIMARY KEY(userid),
CONSTRAINT uq_email UNIQUE (Email));
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> desc user;
```

Field	Type	Null	Key	Default	Extra
UserID	int	NO	PRI	NULL	
Name	varchar(255)	YES		NULL	
Email	varchar(255)	YES	UNI	NULL	
Password	varchar(255)	YES		NULL	
ContactNumber	varchar(255)	YES		NULL	
Address	text	YES		NULL	

6 rows in set (0.00 sec)

```
mysql> CREATE TABLE Courier (CourierID int, SenderName varchar(255),
SenderAddress TEXT, ReceiverName varchar(255), ReceiverAddress TEXT,
Weight decimal(5,2), Status varchar(50), TrackingNumber varchar(20),
DeliveryDate date, CONSTRAINT table_courierId_pk PRIMARY
KEY(CourierID), CONSTRAINT uq_trackingnumber UNIQUE
(trackingNumber));
```

Query OK, 0 rows affected (0.05 sec)

```
mysql> desc Courier;
```

Field	Type	Null	Key	Default	Extra
CourierID	int	NO	PRI	NULL	
SenderName	varchar(255)	YES		NULL	
SenderAddress	text	YES		NULL	

ReceiverName	varchar(255)	YES		NULL	
ReceiverAddress	text	YES		NULL	
Weight	decimal(5,2)	YES		NULL	
Status	varchar(50)	YES		NULL	
TrackingNumber	varchar(20)	YES	UNI	NULL	
DeliveryDate	date	YES		NULL	

+-----+-----+-----+-----+-----+-----+

9 rows in set (0.03 sec)

```
mysql> CREATE TABLE CourierServices(ServiceID int, ServiceName
varchar(100), Cost decimal(8,
2), CONSTRAINT table_ServiceId_pk PRIMARY KEY(ServiceID));
Query OK, 0 rows affected (0.05 sec)
```

```
mysql> desc CourierServices;
```

Field	Type	Null	Key	Default	Extra
ServiceID	int	NO	PRI	NULL	
ServiceName	varchar(100)	YES		NULL	
Cost	decimal(8,2)	YES		NULL	

+-----+-----+-----+-----+-----+-----+

3 rows in set (0.00 sec)

```
mysql> CREATE TABLE Employee_Table(EmployeeID int, Name
varchar(255), Email varchar(255), ContactNumber varchar(20), Role
varchar(50), Salary decimal(10,2), CONSTRAINT emp_empid_pk PRIMARY
KEY(employeeid), CONSTRAINT uq_email UNIQUE (Email));
Query OK, 0 rows affected (0.03 sec)
```

```
mysql> desc Employee_Table;
```

Field	Type	Null	Key	Default	Extra
EmployeeID	int	NO	PRI	NULL	
Name	varchar(255)	YES		NULL	
Email	varchar(255)	YES	UNI	NULL	
ContactNumber	varchar(20)	YES		NULL	
Role	varchar(50)	YES		NULL	
Salary	decimal(10,2)	YES		NULL	

6 rows in set (0.00 sec)

```
mysql> CREATE TABLE Location_Table(LocationID int, LocationName
varchar(100), Address TEXT, CONSTRAINT loc_locid_pk PRIMARY
KEY(LocationID));
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> desc Location_Table;
```

Field	Type	Null	Key	Default	Extra
LocationID	int	NO	PRI	NULL	
LocationName	varchar(100)	YES		NULL	
Address	text	YES		NULL	

3 rows in set (0.00 sec)

```
mysql> CREATE TABLE Payment_Table(PaymentId int,CourierId int,
LocationId int, Amount Decimal(10,2), PaymentDate Date,CONSTRAINT
Pay_Payid_pk PRIMARY KEY(PaymentId), CONSTRAINT FOREIGN
KEY (CourierId) REFERENCES Courier(CourierID), CONSTRAINT
FOREIGN KEY (LocationId) REFERENCES
LOCATION_TABLE(LOCATIONID));
```

Query OK, 0 rows affected (0.06 sec)

```
mysql> desc Payment_Table;
```

Field	Type	Null	Key	Default	Extra
PaymentId	int	NO	PRI	NULL	
CourierId	int	YES	MUL	NULL	
LocationId	int	YES	MUL	NULL	
Amount	decimal(10,2)	YES		NULL	
PaymentDate	date	YES		NULL	

5 rows in set (0.00 sec)

INSERTION OF DUPLICATE VALUES:

```
mysql> INSERT INTO user (UserID, Name, Email, Password, ContactNumber,
Address) VALUES
```

```
-> (1, 'John Doe', 'john.doe@example.com', 'Pass@123', '9876543210', '123
Main St, New York'),
```

```
-> (2, 'Jane Smith', 'jane.smith@example.com', 'Jane#456', '9876543220', '456
Oak St, Los Angeles'),
```

```
-> (3, 'Alice Brown', 'alice.brown@example.com', 'Alice@789', '9876543230',
'789 Pine St, Chicago'),
```

-> (4, 'Bob Johnson', 'bob.johnson@example.com', 'Bob@101', '9876543240', '101 Maple St, Houston'),

-> (5, 'Emily Davis', 'emily.davis@example.com', 'Emily#202', '9876543250', '202 Cedar St, Miami'),

-> (6, 'Michael Wilson', 'michael.wilson@example.com', 'Mike@303', '9876543260', '303 Elm St, Seattle');

Query OK, 6 rows affected (0.03 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> desc user;

Field	Type	Null	Key	Default	Extra
UserID	int	NO	PRI	NULL	
Name	varchar(255)	YES		NULL	
Email	varchar(255)	YES	UNI	NULL	
Password	varchar(255)	YES		NULL	
ContactNumber	varchar(255)	YES		NULL	
Address	text	YES		NULL	

6 rows in set (0.01 sec)

mysql> select * from user;

UserID	Name	Email	Password	ContactNumber	Address

1	John Doe	john.doe@example.com	Pass@123	9876543210	123 Main St, New York
2	Jane Smith	jane.smith@example.com	Jane#456	9876543220	456 Oak St, Los Angeles
3	Alice Brown	alice.brown@example.com	Alice@789	9876543230	789 Pine St, Chicago
4	Bob Johnson	bob.johnson@example.com	Bob@101	9876543240	101 Maple St, Houston
5	Emily Davis	emily.davis@example.com	Emily#202	9876543250	202 Cedar St, Miami
6	Michael Wilson	michael.wilson@example.com	Mike@303	9876543260	303 Elm St, Seattle

```
+-----+-----+-----+-----+-----+-----+
-----+
```

6 rows in set (0.00 sec)

```
mysql> INSERT INTO courier (CourierID, SenderName, SenderAddress,
ReceiverName, ReceiverAddress, Weight, Status, TrackingNumber,
DeliveryDate) VALUES
```

```
-> (1, 'John Doe', '123 Main St, NY', 'Jane Smith', '456 Oak St, LA', 5.50, 'In
Transit', 'TRK123456', '2025-03-30'),
```

```
-> (2, 'Alice Brown', '789 Pine St, Chicago', 'Bob Johnson', '101 Maple St,
Houston', 2.75, 'Delivered', 'TRK234567', '2025-03-25'),
```

```
-> (3, 'Emily Davis', '202 Cedar St, Miami', 'Michael Wilson', '303 Elm St,
Seattle', 1.90, 'Pending', 'TRK345678', '2025-04-01'),
```

```
-> (4, 'Jane Smith', '456 Oak St, LA', 'John Doe', '123 Main St, NY', 4.20, 'In
Transit', 'TRK456789', '2025-03-29'),
```

```
-> (5, 'Michael Wilson', '303 Elm St, Seattle', 'Emily Davis', '202 Cedar St,
Miami', 3.60, 'Out for Delivery', 'TRK567890', '2025-03-31'),
```

```
-> (6, 'Bob Johnson', '101 Maple St, Houston', 'Alice Brown', '789 Pine St,
Chicago', 6.80, 'Delivered', 'TRK678901', '2025-03-27');
```

Query OK, 6 rows affected (0.01 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
mysql> select * from courier;
```

CourierID	SenderName	SenderAddress	ReceiverName	ReceiverAddress	Weight	Status	TrackingNumber	DeliveryDate
1	John Doe	123 Main St, NY	Jane Smith	456 Oak St, LA	5.50	In Transit	TRK123456	2025-03-30
2	Alice Brown	789 Pine St, Chicago	Bob Johnson	101 Maple St, Houston	2.75	Delivered	TRK234567	2025-03-25
3	Emily Davis	202 Cedar St, Miami	Michael Wilson	303 Elm St, Seattle	1.90	Pending	TRK345678	2025-04-01
4	Jane Smith	456 Oak St, LA	John Doe	123 Main St, NY	4.20	In Transit	TRK456789	2025-03-29
5	Michael Wilson	303 Elm St, Seattle	Emily Davis	202 Cedar St, Miami	3.60	Out for Delivery	TRK567890	2025-03-31
6	Bob Johnson	101 Maple St, Houston	Alice Brown	789 Pine St, Chicago	6.80	Delivered	TRK678901	2025-03-27

6 rows in set (0.00 sec)

```
mysql> INSERT INTO courierservices (ServiceID, ServiceName, Cost)
VALUES
```

```
-> (1, 'Standard Delivery', 50.00),
```

```
-> (2, 'Express Delivery', 100.00),
```

```
-> (3, 'Overnight Delivery', 150.00),
```


-> (4, 'International Shipping', 200.00),
-> (5, 'Same-Day Delivery', 120.00),
-> (6, 'Freight Shipping', 300.00);

Query OK, 6 rows affected (0.01 sec)

Records: 6 Duplicates: 0 Warnings: 0

mysql> select * from courierservices;

ServiceID	ServiceName	Cost
1	Standard Delivery	50.00
2	Express Delivery	100.00
3	Overnight Delivery	150.00
4	International Shipping	200.00
5	Same-Day Delivery	120.00
6	Freight Shipping	300.00

6 rows in set (0.00 sec)

mysql> INSERT INTO employee_table (EmployeeID, Name, Email, ContactNumber, Role, Salary) VALUES

-> (1, 'David Miller', 'david.miller@example.com', '9876543270', 'Delivery Driver', 35000.00),

-> (2, 'Sophia Lee', 'sophia.lee@example.com', '9876543280', 'Warehouse Manager', 45000.00),

-> (3, 'James Anderson', 'james.anderson@example.com', '9876543290', 'Logistics Coordinator', 40000.00),

-> (4, 'Linda Martinez', 'linda.martinez@example.com', '9876543300', 'Customer Support', 32000.00),

-> (5, 'Robert Thomas', 'robert.thomas@example.com', '9876543310', 'Fleet Manager', 55000.00),

-> (6, 'Jessica Wilson', 'jessica.wilson@example.com', '9876543320', 'Dispatcher', 38000.00);

Query OK, 6 rows affected (0.01 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
mysql> select * from employee_table;
```

EmployeeID	Name	Email	ContactNumber	Role	Salary
1	David Miller	david.miller@example.com	9876543270	Delivery Driver	35000.00
2	Sophia Lee	sophia.lee@example.com	9876543280	Warehouse Manager	45000.00
3	James Anderson	james.anderson@example.com	9876543290	Logistics Coordinator	40000.00
4	Linda Martinez	linda.martinez@example.com	9876543300	Customer Support	32000.00
5	Robert Thomas	robert.thomas@example.com	9876543310	Fleet Manager	55000.00
6	Jessica Wilson	jessica.wilson@example.com	9876543320	Dispatcher	38000.00

6 rows in set (0.00 sec)

```
mysql> INSERT INTO location_table (LocationID, LocationName, Address)
VALUES
```

```
-> (1, 'New York Hub', '123 Warehouse Ave, NY'),
-> (2, 'Los Angeles Depot', '456 Shipping Lane, LA'),
-> (3, 'Chicago Center', '789 Freight St, Chicago'),
-> (4, 'Houston Terminal', '101 Cargo Blvd, Houston'),
-> (5, 'Miami Station', '202 Express Rd, Miami'),
-> (6, 'Seattle Facility', '303 Logistics Dr, Seattle');
```

Query OK, 6 rows affected (0.00 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
mysql> select * from location_table;
```

```
+-----+-----+-----+
| LocationID | LocationName | Address |
|
+-----+-----+-----+
| 1 | New York Hub | 123 Warehouse Ave, NY |
| 2 | Los Angeles Depot | 456 Shipping Lane, LA |
| 3 | Chicago Center | 789 Freight St, Chicago |
| 4 | Houston Terminal | 101 Cargo Blvd, Houston |
| 5 | Miami Station | 202 Express Rd, Miami |
| 6 | Seattle Facility | 303 Logistics Dr, Seattle |
+-----+-----+-----+
```

6 rows in set (0.00 sec)

```
mysql> INSERT INTO payment_table (PaymentID, CourierID, LocationID,
Amount, PaymentDate) VALUES
```

```
-> (1, 1, 1, 50.00, '2025-03-28'),  
-> (2, 2, 3, 100.00, '2025-03-26'),  
-> (3, 3, 5, 75.00, '2025-04-02'),  
-> (4, 4, 2, 120.00, '2025-03-29'),  
-> (5, 5, 6, 90.00, '2025-04-01'),  
-> (6, 6, 4, 60.00, '2025-03-27');
```

Query OK, 6 rows affected (0.01 sec)

Records: 6 Duplicates: 0 Warnings: 0

```
mysql> select * from payment_table;
```

```
+-----+-----+-----+-----+-----+  
| PaymentId | CourierId | LocationId | Amount | PaymentDate |  
+-----+-----+-----+-----+-----+  
|      1 |      1 |      1 | 50.00 | 2025-03-28 |  
|      2 |      2 |      3 | 100.00 | 2025-03-26 |  
|      3 |      3 |      5 | 75.00 | 2025-04-02 |  
|      4 |      4 |      2 | 120.00 | 2025-03-29 |  
|      5 |      5 |      6 | 90.00 | 2025-04-01 |  
|      6 |      6 |      4 | 60.00 | 2025-03-27 |  
+-----+-----+-----+-----+-----+
```

6 rows in set (0.00 sec)