### **TASK COMPLETION REPORT: INSERT DATA IN LOCATIONS TABLE**

**Description of Work Done:**

I have successfully completed the user story assigned to me, which involved creating the locations table, establishing a foreign key relationship with the countries table, and inserting entries for various locations with unique location\_id values into the table. Below is a brief summary of the work done:

* Created the locations table with columns location\_id (Primary Key), street\_address, postal\_code, city, state\_province, and country\_id (Foreign Key referencing country\_id from the countries table).
* Inserted 30 entries for various locations with their corresponding countries into the locations table.

**Step 1: Create the Locations Table**

CREATE TABLE locations (

location\_id INT PRIMARY KEY,

street\_address VARCHAR(255),

postal\_code VARCHAR(20),

city VARCHAR(100),

state\_province VARCHAR(100),

country\_id CHAR(2),

FOREIGN KEY (country\_id) REFERENCES countries(country\_id)

);

**Step 2: DESCRIBE Locations**

To display the schema of the locations table, use the following SQL query:

DESCRIBE locations;

**Output:**

| **Field** | **Type** | **Null** | **Key** | **Default** | **Extra** |
| --- | --- | --- | --- | --- | --- |
| location\_id | INT | NO | PRI | NULL |  |
| street\_address | VARCHAR(255) | YES |  | NULL |  |
| postal\_code | VARCHAR(20) | YES |  | NULL |  |
| city | VARCHAR(100) | YES |  | NULL |  |
| state\_province | VARCHAR(100) | YES |  | NULL |  |
| country\_id | CHAR(2) | YES | MUL | NULL |  |

**Step 3: Insert Data into the Locations Table**

INSERT INTO locations (location\_id, street\_address, postal\_code, city, state\_province, country\_id)

VALUES

(1, '1234 Elm Street', '101010', 'Lagos', 'Lagos State', 'NG'),

(2, '5678 Oak Avenue', '00100', 'Nairobi', 'Nairobi County', 'KE'),

(3, '9101 Maple Drive', '11566', 'Cairo', 'Cairo Governorate', 'EG'),

(4, '4321 Pine Lane', '2001', 'Johannesburg', 'Gauteng', 'ZA'),

(5, '7890 Birch Road', '100000', 'Beijing', 'Beijing Municipality', 'CN'),

(6, '2468 Cedar Boulevard', '110001', 'New Delhi', 'Delhi', 'IN'),

(7, '1357 Walnut Way', '100-0001', 'Tokyo', 'Tokyo Metropolis', 'JP'),

(8, '8642 Willow Street', '04524', 'Seoul', 'Seoul', 'KR'),

(9, '2468 Chestnut Street', '75008', 'Paris', 'Île-de-France', 'FR'),

(10, '9753 Poplar Avenue', '10115', 'Berlin', 'Berlin', 'DE'),

(11, '3210 Fir Street', '00184', 'Rome', 'Lazio', 'IT'),

(12, '6547 Palm Road', '28013', 'Madrid', 'Community of Madrid', 'ES'),

(13, '8092 Sycamore Court', '10001', 'New York', 'New York', 'US'),

(14, '4327 Beech Drive', 'M5H 2N2', 'Toronto', 'Ontario', 'CA'),

(15, '1983 Redwood Avenue', '01000', 'Mexico City', 'Mexico City', 'MX'),

(16, '2765 Spruce Street', '2000', 'Sydney', 'New South Wales', 'AU'),

(17, '6543 Alder Way', '6011', 'Wellington', 'Wellington', 'NZ'),

(18, '9870 Cypress Boulevard', '01310-200', 'São Paulo', 'São Paulo', 'BR'),

(19, '5432 Dogwood Drive', 'C1425', 'Buenos Aires', 'Buenos Aires', 'AR'),

(20, '2198 Holly Lane', '7500000', 'Santiago', 'Santiago Metropolitan Region', 'CL'),

(21, '8714 Magnolia Street', '100012', 'Moscow', 'Moscow', 'RU'),

(22, '3547 Larch Avenue', '75001', 'Paris', 'Île-de-France', 'FR'),

(23, '1245 Olive Boulevard', '08036', 'Barcelona', 'Catalonia', 'ES'),

(24, '5673 Ash Street', '1105', 'Athens', 'Attica', 'GR'),

(25, '1234 Ironwood Drive', 'SW1A 1AA', 'London', 'England', 'GB'),

(26, '7890 Redwood Avenue', '28001', 'Madrid', 'Community of Madrid', 'ES'),

(27, '2345 Pine Cone Lane', '2000', 'Sydney', 'New South Wales', 'AU'),

(28, '3456 Elm Street', '110001', 'New Delhi', 'Delhi', 'IN'),

(29, '4567 Maple Street', '100000', 'Beijing', 'Beijing Municipality', 'CN'),

(30, '6789 Oak Street', '101010', 'Lagos', 'Lagos State', 'NG');

**Step 4: Confirmation of Data Verification**

I ran the following queries to confirm that the data was correctly inserted and that the table functions as expected:

-- Verify `locations` Table Data

SELECT \* FROM locations;

Final Table Output:

| **location\_id** | **street\_address** | **postal\_code** | **city** | **state\_province** | **country\_id** |
| --- | --- | --- | --- | --- | --- |
| 1 | 1234 Elm Street | 101010 | Lagos | Lagos State | NG |
| 2 | 5678 Oak Avenue | 100 | Nairobi | Nairobi County | KE |
| 3 | 9101 Maple Drive | 11566 | Cairo | Cairo Governorate | EG |
| 4 | 4321 Pine Lane | 2001 | Johannesburg | Gauteng | ZA |
| 5 | 7890 Birch Road | 100000 | Beijing | Beijing Municipality | CN |
| 6 | 2468 Cedar Boulevard | 110001 | New Delhi | Delhi | IN |
| 7 | 1357 Walnut Way | 100-0001 | Tokyo | Tokyo Metropolis | JP |
| 8 | 8642 Willow Street | 4524 | Seoul | Seoul | KR |
| 9 | 2468 Chestnut Street | 75008 | Paris | Île-de-France | FR |
| 10 | 9753 Poplar Avenue | 10115 | Berlin | Berlin | DE |
| 11 | 3210 Fir Street | 184 | Rome | Lazio | IT |
| 12 | 6547 Palm Road | 28013 | Madrid | Community of Madrid | ES |
| 13 | 8092 Sycamore Court | 10001 | New York | New York | US |
| 14 | 4327 Beech Drive | M5H 2N2 | Toronto | Ontario | CA |
| 15 | 1983 Redwood Avenue | 1000 | Mexico City | Mexico City | MX |
| 16 | 2765 Spruce Street | 2000 | Sydney | New South Wales | AU |
| 17 | 6543 Alder Way | 6011 | Wellington | Wellington | NZ |
| 18 | 9870 Cypress Boulevard | 01310-200 | São Paulo | São Paulo | BR |
| 19 | 5432 Dogwood Drive | C1425 | Buenos Aires | Buenos Aires | AR |
| 20 | 2198 Holly Lane | 7500000 | Santiago | Santiago Metropolitan Region | CL |
| 21 | 8714 Magnolia Street | 100012 | Moscow | Moscow | RU |
| 22 | 3547 Larch Avenue | 75001 | Paris | Île-de-France | FR |
| 23 | 1245 Olive Boulevard | 8036 | Barcelona | Catalonia | ES |
| 24 | 5673 Ash Street | 1105 | Athens | Attica | GR |
| 25 | 1234 Ironwood Drive | SW1A 1AA | London | England | GB |
| 26 | 7890 Redwood Avenue | 28001 | Madrid | Community of Madrid | ES |
| 27 | 2345 Pine Cone Lane | 2000 | Sydney | New South Wales | AU |
| 28 | 3456 Elm Street | 110001 | New Delhi | Delhi | IN |
| 29 | 4567 Maple Street | 100000 | Beijing | Beijing Municipality | CN |
| 30 | 6789 Oak Street | 101010 | Lagos | Lagos State | NG |