

```
1 C:\msys64\mingw64\bin\python.exe C:\Users\dcham\PycharmProjects\lab-13-3520\main.py
2
3
4 Connected to the database as admin.
5 Testing operations as admin
6 Customer added successfully.
7 Customer's firstname updated successfully.
8 +-----+
9 | Employee_id |  firstname  |  lastname  |  phone_number  |
10 +-----+
11 |      1      |  Cheshire  | Wonderland | 0987654321 |
12 |      2      |    Bob     |   Unicorn  | 555-987-6543 |
13 |      3      |  Charlie   |   Dragon   | 555-789-0123 |
14 |      4      |    Daisy   |   Mermaid  | 555-456-7890 |
15 |      5      |     Eva    |   Phoenix  | 555-876-5432 |
16 |      6      |    Felix   |    Yeti    | 555-234-5678 |
17 |      7      |    Grace   | Sasquatch  | 555-345-6789 |
18 |      8      |    Hugo    |   Mothman  | 555-789-1234 |
19 |      9      |     Ivy    |   Kraken   | 555-654-3210 |
20 |     10      |    Jack    |   Chimera  | 555-432-1098 |
21 |     11      | AdminUpdated | Admin      | 1111111111 |
22 |     13      | TomUpdated  | Tom        | 3333333333 |
23 +-----+
24 Customer deleted successfully.
25 All operations for admin user successful.
26
27
28 Connected to the database as Sally.
29
30
31 Testing operations as Sally
32 +-----+
33 | Employee_id |  firstname  |  lastname  |  phone_number  |
34 +-----+
35 |      1      |  Cheshire  | Wonderland | 0987654321 |
36 |      2      |    Bob     |   Unicorn  | 555-987-6543 |
37 |      3      |  Charlie   |   Dragon   | 555-789-0123 |
38 |      4      |    Daisy   |   Mermaid  | 555-456-7890 |
39 |      5      |     Eva    |   Phoenix  | 555-876-5432 |
40 |      6      |    Felix   |    Yeti    | 555-234-5678 |
41 |      7      |    Grace   | Sasquatch  | 555-345-6789 |
42 |      8      |    Hugo    |   Mothman  | 555-789-1234 |
43 |      9      |     Ivy    |   Kraken   | 555-654-3210 |
44 |     10      |    Jack    |   Chimera  | 555-432-1098 |
45 |     13      | TomUpdated  | Tom        | 3333333333 |
46 +-----+
47 SELECT operation successful for Sally.
48 Error: 1142 (42000): INSERT command denied to user 'Sally'@'localhost' for table 'customer'
49 INSERT operation should have failed for Sally but succeeded.
50 Error: 1142 (42000): UPDATE command denied to user 'Sally'@'localhost' for table 'customer'
51 UPDATE operation should have failed for Sally but succeeded.
52 Error: 1142 (42000): DELETE command denied to user 'Sally'@'localhost' for table 'customer'
53 DELETE operation should have failed for Sally but succeeded.
54
55
56 Connected to the database as Tom.
57
58
59 Testing operations as Tom
60 Customer with Employee_id 13 already exists.
61 Customer's firstname updated successfully.
62 +-----+
63 | Employee_id |  firstname  |  lastname  |  phone_number  |
64 +-----+
65 |      1      |  Cheshire  | Wonderland | 0987654321 |
66 |      2      |    Bob     |   Unicorn  | 555-987-6543 |
67 |      3      |  Charlie   |   Dragon   | 555-789-0123 |
68 |      4      |    Daisy   |   Mermaid  | 555-456-7890 |
69 |      5      |     Eva    |   Phoenix  | 555-876-5432 |
70 |      6      |    Felix   |    Yeti    | 555-234-5678 |
71 |      7      |    Grace   | Sasquatch  | 555-345-6789 |
72 |      8      |    Hugo    |   Mothman  | 555-789-1234 |
73 |      9      |     Ivy    |   Kraken   | 555-654-3210 |
74 |     10      |    Jack    |   Chimera  | 555-432-1098 |
75 |     13      | TomUpdated  | Tom        | 3333333333 |
76 +-----+
77 INSERT and UPDATE operations successful for Tom.
78 Error: 1142 (42000): DELETE command denied to user 'Tom'@'localhost' for table 'customer'
79 DELETE operation should have failed for Tom but succeeded.
80
81
82 Connected to the database as admin.
83 Logged in as admin
84 +-----+
85 | Employee_id |  firstname  |  lastname  |  phone_number  |  change_on  |
86 +-----+
87 |      1      |  Cheshire  | Wonderland | 0987654321 | 2023-11-29 22:04:10 |
88 |      1      |  Cheshire  | Wonderland | 0987654321 | 2023-11-29 22:26:55 |
89 |      1      |  Cheshire  | Wonderland | 0987654321 | 2023-11-29 22:27:17 |
90 |      2      |    Bob     |   Unicorn  | 555-987-6543 | None          |
91 |      3      |  Charlie   |   Dragon   | 555-789-0123 | None          |
92 |      4      |    Daisy   |   Mermaid  | 555-456-7890 | None          |
93 |      5      |     Eva    |   Phoenix  | 555-876-5432 | None          |
94 |      6      |    Felix   |    Yeti    | 555-234-5678 | None          |
95 |      7      |    Grace   | Sasquatch  | 555-345-6789 | None          |
96 |      8      |    Hugo    |   Mothman  | 555-789-1234 | None          |
97 |      9      |     Ivy    |   Kraken   | 555-654-3210 | None          |
98 |     10      |    Jack    |   Chimera  | 555-432-1098 | None          |
99 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:39:55 |
100 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:44:35 |
101 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:48:17 |
102 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:52:02 |
103 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:52:56 |
104 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:55:51 |
105 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:56:51 |
106 |     13      | TomUpdated  | Tom        | 3333333333 | 2023-11-29 22:58:49 |
107 +-----+
108
109 Process finished with exit code 0
110
```

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Class Name. Example CS-3502
Database Theory
Section: 002