**Question 1**

**Trigger 1**

**Case 1)**  **INSERT INTO climbed VALUES (1, 'Kearsarge Peak', '06/28/2002');**

(1 row(s) affected)

**Case 2) INSERT INTO climbed VALUES (6, 'Mount Guyot', '06/21/2002');**

**WARNING: The climb you INSERTED is days 43 FROM the closest existing climb in trip 6**

(1 row(s) affected)

**Case 3) INSERT INTO climbed VALUES (23, 'Lion Rock', '08/09/2004');**

**WARNING: The climb you INSERTED is days 23 FROM the closest existing climb in trip 23**

(1 row(s) affected)

**Case 4) INSERT INTO climbed VALUES (23, 'Mount Williamson', '06/09/2004');**

**WARNING: The climb you INSERTED is days 35 FROM the closest existing climb in trip 23**

(1 row(s) affected)

**Case 5) INSERT INTO climbed VALUES (29, 'Lion Rock', '06/09/2004');**

(1 row(s) affected)

**Question 1**

**Trigger 2**

**Case 1)** **DELETE FROM participated WHERE trip\_id = 12;**

**SELECT COUNT(\*) FROM climbed WHERE trip\_id = 12;**

**0**

**Case 2) DELETE FROM participated WHERE trip\_id = 13 AND name <> 'ELIZABETH';**

**SELECT COUNT(\*) FROM climbed WHERE trip\_id = 13;**

**15**

**Case 3)** **DELETE FROM participated WHERE name = 'ELIZABETH';**

**SELECT COUNT(\*) FROM climbed WHERE trip\_id = 13;**

**0**

**Case 4)** **SELECT COUNT (DISTINCT trip\_id) FROM climbed;**

**26**

**Case 5) DELETE FROM participated WHERE trip\_id IN (SELECT trip\_id FROM participated WHERE name = 'LINDA');**

**SELECT COUNT (DISTINCT trip\_id) FROM climbed;**

**21**

**Question 2 )**

**Case 1)** **INSERT INTO climbed VALUES (30, 'North Guard', '09/06/2002');**

**INSERT INTO climbed VALUES (30, 'Home Nose', '09/06/2002');**

**SELECT \* FROM climbed WHERE trip\_id = 30;**

|  |  |  |
| --- | --- | --- |
| TRIP\_ID | PEAK | WHEN\_CLIMBED |
| 30 | Homers Nose | 9/6/2002 0:00 |
| 30 | North Guard | 9/6/2002 0:00 |

**Case 2) INSERT INTO climbed VALUES (31, 'Moses Mount', '09/06/2002');**

**INSERT INTO climbed VALUES (31, 'Olancha Mountain', '09/06/2002');**

**INSERT INTO climbed VALUES (31, 'Mt. Hitchcock', '09/06/2002');**

**INSERT INTO climbed VALUES (31, 'Mt Hitchcock', '09/06/2002');**

**INSERT INTO climbed VALUES (31, 'Milestoan Mounten', '09/06/2002');**

**INSERT INTO climbed VALUES (31, 'Milestoan Mountan', '09/06/2002');**

**SELECT \* FROM climbed WHERE trip\_id = 31;**

|  |  |  |
| --- | --- | --- |
| TRIP\_ID | PEAK | WHEN\_CLIMBED |
| 31 | Milestone Mountain | 9/6/2002 0:00 |
| 31 | Moses Mountain | 9/6/2002 0:00 |
| 31 | Mount Hitchcock | 9/6/2002 0:00 |

**Case 3) INSERT INTO climbed VALUES (32, 'Piket Gard Peak', '09/06/2002');**

**INSERT INTO climbed VALUES (32, 'Milestoan Mounten', '09/06/2002');**

**INSERT INTO climbed VALUES (32, 'Milestoan Mountain', '09/06/2002');**

**SELECT \* FROM climbed WHERE trip\_id = 32;**

|  |  |  |
| --- | --- | --- |
| TRIP\_ID | PEAK | WHEN\_CLIMBED |
| 32 | Milestone Mountain | 9/6/2002 0:00 |
| 32 | Picket Guard Peak | 9/6/2002 0:00 |

Question 3)

Case 1) **SET NOCOUNT ON**

**exec FindMostSimilar**

**The two most similar climbers are MARY and PATRICIA common peaks between them are:69**

**The longest sequence of peak ascents common to both is:**

1. **Lone Pine Peak**
2. **Mount Langley**
3. **Mount Brewer**
4. **Muah Mountain**
5. **Thor Peak**
6. **Olancha Peak**
7. **Kearsarge Peak**
8. **Mount Irvine**
9. **Mount Guyot**
10. **University Peak**
11. **Mount Gardiner**
12. **Mount LeConte**
13. **Needham Mountain**
14. **Mount Irvine**
15. **Sirretta Peak**
16. **Triple Divide Peak**
17. **Mount Langley**
18. **Diamond Peak**
19. **Kearsarge Peak**
20. **Mount Hale**
21. **Mount Langley**
22. **Mount Rixford**
23. **Mount Guyot**
24. **North Guard**
25. **Mount Jordan**
26. **Midway Mountain**
27. **Moses Mountain**
28. **Mount Bradley**
29. **Mount Langley**
30. **North Guard**
31. **Mount Hale**
32. **Homers Nose**
33. **Lamont Peak**
34. **Mount Guyot**
35. **Kern Point**
36. **Mount Mallory**
37. **Mount Stanford S**
38. **Mount Langley**
39. **Mount Young**
40. **Owens Peak**
41. **South Guard**
42. **Glacier Ridge**
43. **Kearsarge Peak**
44. **Sirretta Peak**
45. **Spanish Needle**
46. **Mount Gould**
47. **Mount Langley**
48. **Kearsarge Peak**
49. **Mount Guyot**
50. **Joe Devel Peak**
51. **Mount McAdie**
52. **Mount Newcomb**
53. **South Guard**
54. **South Guard**
55. **Mount Langley**
56. **Dragon Peak**
57. **Mount Barnard**
58. **Mount Newcomb**
59. **Thor Peak**
60. **Mount Guyot**
61. **Lion Rock**
62. **Mount McAdie**
63. **Lion Rock**
64. **Mount Langley**
65. **Kearsarge Peak**
66. **Kern Peak**
67. **Needham Mountain**
68. **Midway Mountain**
69. **Mount Williamson**

**Question 4)**

**Case 1)** **SET NOCOUNT ON**

**EXECUTE Bacon 'EDWARD';**

**PERSON NAME DISTANCE**

**EDWARD 0**

**ROBERT 1**

**Case 2)** **SET NOCOUNT ON**

**EXECUTE Bacon 'PAUL';**

**PERSON NAME DISTANCE**

**PAUL 0**

**DANIEL 1**

**MARK 1**

**MARY 1**

**BARBARA 2**

**BETTY 2**

**DONALD 2**

**DONNA 2**

**ELIZABETH 2**

**GEORGE 2**

**JENNIFER 2**

**JOHN 2**

**KENNETH 2**

**LINDA 2**

**MARIA 2**

**MICHAEL 2**

**PATRICIA 2**

**STEVEN 2**

**Case 3)** **SET NOCOUNT ON**

**EXECUTE Bacon ‘MARY’;**

**PERSON NAME DISTANCE**

**MARY 0**

**BARBARA 1**

**BETTY 1**

**DANIEL 1**

**DONALD 1**

**DONNA 1**

**ELIZABETH 1**

**GEORGE 1**

**JENNIFER 1**

**KENNETH 1**

**LINDA 1**

**MARIA 1**

**MARK 1**

**PATRICIA 1**

**PAUL 1**

**STEVEN 1**

**JOHN 2**

**MICHAEL 2**

**Case 4)** **SET NOCOUNT ON**

**EXECUTE Bacon ‘ROBERT’;**

**PERSON NAME DISTANCE**

**ROBERT 0**

**EDWARD 1**

**Case 5)** **SET NOCOUNT ON**

**EXECUTE Bacon ‘BETTY’;**

**PERSON NAME DISTANCE**

**BETTY 0**

**KENNETH 1**

**MARK 1**

**MARY 1**

**PATRICIA 1**

**BARBARA 2**

**DANIEL 2**

**DONALD 2**

**DONNA 2**

**ELIZABETH 2**

**GEORGE 2**

**JENNIFER 2**

**JOHN 2**

**LINDA 2**

**MARIA 2**

**MICHAEL 2**

**PAUL 2**

**STEVEN 2**