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1  --- query 01 (count)
2  SELECT COUNT(*) FROM data
3  1000000
4
5  --- query 02 (count, where)
6  SELECT COUNT(*) FROM data WHERE weekDay <= 5 AND source >= 50 AND source <= 75
7  AND destination >= 25 AND destination <= 30
8  11135
9
10 --- query 03
11 SELECT COUNT(*) FROM data WHERE ticketType IN ('W','M','Y') AND source >= 25
12 AND source <= 50 AND destination >= 50 AND destination <= 75 AND isOffPeak = 'true'
13 20634
14
15 --- query 04 (count, where, not in)
16 SELECT COUNT(*) FROM data WHERE ticketType NOT IN ('M','Y') AND source >= 5
17 AND source <= 20 AND destination >= 5 AND destination <= 20 AND isOffPeak = 'false'
18 7187
19
20 --- query 05 (id, where, in, order by desc limit)
21 SELECT id FROM data WHERE weekDay IN (1,2) AND ticketType = 'S' AND source = 10
22 AND destination <= 50 ORDER BY destination DESC LIMIT 3
23 92607
24 83512
25 642154
26
27 --- query 06 (id, where, in, order by desc, order by asc)
28 SELECT id FROM data WHERE weekDay = 7 AND ticketType = 'S' AND source IN (1,3)
29 AND destination IN (1,3,5) AND isOffPeak = 'true' ORDER BY source DESC,destination
30 360163
31 422231
32 926865
33 618665
34 396282
35 873231
36 382998
37
38 --- query 07 (// count, group by)
39 SELECT isOffPeak,COUNT(*) FROM data GROUP BY isOffPeak
40 false 499551
41 true 500449
42
43 --- query 08 (count, where, group by)
44 SELECT ticketType,COUNT(*) FROM data WHERE weekDay <= 5 AND source >= 5
45 AND source <= 20 AND destination >= 5 AND destination <= 20 GROUP BY ticketType
46 M 3464
47 S 3454
48 W 3401
49 Y 3567
50 D 3413
51
52 --- query 09 (count, where, in, group by)
53 SELECT weekDay,COUNT(*) FROM data WHERE source = 3 AND destination IN (1,3,5)
54 AND isOffPeak = 'true' GROUP BY weekDay
55 3 15
56 5 14
57 2 14
58 7 16
59 6 21
60 1 19
61 4 11
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70 --- query 10 (count, where, not in, group by)
71 SELECT destination,COUNT(*) FROM data WHERE weekDay NOT IN (1,5,6,7)
72 AND ticketType = 'Y' AND source = 15 AND destination >= 20
73 AND destination <= 25 AND isOffPeak = 'true' GROUP BY destination
74 24 2
75 23 4
76 20 5
77 21 1
78 25 1
79 22 2
80
81 --- query 11 (sum, where, not in, in, group by)
82 SELECT ticketType,SUM(numberOfRegisteredChildren) FROM data
83 WHERE weekDay NOT IN (1,5,6,7) AND ticketType IN ('W','M') AND source = 5
84 AND destination >= 5 AND destination <= 10 AND isOffPeak = 'false'
85 GROUP BY ticketType
86 M 37
87 W 35
88
89 --- query 12 (avg, where, in, in, group by)
90 SELECT ticketType,AVG(numberOfRegisteredChildren) FROM data WHERE weekDay = 7
91 AND source IN (1,5,10,15,90,95,100) AND destination IN (1,5,10,15,20,25)
92 GROUP BY ticketType
93 D 1
94 M 1
95 Y 1
96 S 1
97 W 1
98
99

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