## IT CookBook, 데이터베이스 개론(2판) 기출문제 해답

1	1장					2장				3장					
3	1	1	11	3		1	3	11	1	1	2	21	2	41	3
4       0       4       0       4       0       24       0       44       0         5       0       6       3       7       0       6       2       16       0       6       2       25       2       45       2         8       3       9       0       10       2       7       3       27       44       47       1         48'       3       9       0       29       4       49       2         10       2       2       0       22       3       10       2       10       3       30       3       50       2         44'**       1       1       4       21       1       13       33       3       2       53       4       2       4       49       2         10       2       2       4       22       1       14       2       34       2       54       2         5**       2       23       3       23       2       1       14       2       34       2       54       2         5**       2       25       2       2       4       2	2	4	12	3		2	3	12	2	2	1	22	3	42	4
5         6         3         7         4         6         2         16         4         6         2         26         3         46         1           7         4         8         3         9         2         7         3         27         4         47         1           8         4         9         3         2         28         1         48         3         9         49         29         49         49         2         44         3         49         3         5         0         2         49         29         49         49         2         10         3         30         3         50         2         2         49         29         49         49         2         49         2         49         29         49         49         2         11         4         21         10         3         30         3         50         2         2         4         29         4         49         2         4         2         4         2         4         2         4         2         4         2         5         3         3         3         2	3	4	13	3		3	2	13	4	3	3	23	4	43	4
6         3           7         4           8         3           9         2           10         2           10         2           428         10           1         1           2         4           2         4           2         4           2         4           2         4           2         4           2         4           2         4           2         4           2         4           3         2           3         2           3         2           3         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3 <td>4</td> <td>1</td> <td></td> <td></td> <td></td> <td>4</td> <td>2</td> <td>14</td> <td>4</td> <td>4</td> <td>4</td> <td>24</td> <td>1</td> <td>44</td> <td>1</td>	4	1				4	2	14	4	4	4	24	1	44	1
6         3           7         4           8         3           9         2           10         2           48         9           10         2           48         9           10         2           48         9           11         1           2         4           2         4           2         4           2         2           3         2           3         2           3         2           3         2           3         2           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3           4         3<	5	4				5	1	15	2	5	2	25	2	45	2
7       4         8       3         9       2         10       2         48       9         10       2         10       2         11       3         2       4         22       4         22       4         3       2         3       2         3       2         3       2         4       3         4       3         4       3         4       3         4       3         4       3         4       3         4       3         4       3         4       3         4       3         2       2         5       2         5       2         6       1         26       3         7       2         27       3         8       1         10       2         3       3         2       27         3       3	6					6	2	16	4		2	26		46	
8	7					7	2			7	3	27	4	47	1
10   2   2   3   11   4   31   2   51   2   2   4   32   3   52   4   1   4   31   2   51   2   3   3   3   3   3   3   3   5   2   4   1   4   3   3   3   3   3   3   5   2   4   1   4   3   3   3   3   3   3   5   2   4   1   4   3   3   3   3   3   3   3   5   2   4   1   4   3   3   3   3   3   3   3   3   3	8					8				8	2	28	1	48	
1	9					9	3			9	4	29	4	49	
1	10	2				10	2			10	3	30	3	50	2
1       ①       21       ①         2       ④       22       ②         3       ②       23       ③         4       ③       24       ④         5       ②       25       ②         6       ①       26       ③         7       ②       27       ③         8       ①       28       ①         9       ③       29       ②         10       ②       30       ②         11       ④       31       ①       28       ④         9       ③       29       ②         10       ②       30       ②         11       ④       31       ②         12       ④       32       ①         13       ③       33       ③         14       ④       34       ②         10       ②       30       ②         11       ④       31       ②         12       ④       32       ①         13       ③       33       ②         14       ④       34       ②         15       ②       <			•							11	4	31	2	51	2
2       4       22       3         3       2       23       3         4       3       24       4         5       2       25       2         6       1       26       3         7       2       27       3         8       1       28       1         9       3       29       2         10       2       30       2         11       4       31       2         9       3       29       2         10       2       30       2         11       4       31       2         12       4       32       1         13       3       33       3         14       4       31       2         8       1       28       4       20       3       40       2       60       4         9       3       29       2       3       40       2       60       4         9       3       29       2       3       4       1       2       1         10       3       3       3						5장					4	32	3		4
2       4       22       1       14       2       34       2       54       2         3       2       23       3       3       23       2       15       2       35       1       55       3         4       3       24       4       1       24       2       16       1       36       2       56       2         5       2       25       2       6       2       26       4       18       3       38       1       58       4         7       2       27       3       6       2       26       4       18       3       38       1       58       4         9       3       29       2       2       10       19       4       39       3       59       1         8       1       28       4       20       3       40       2       60       4         9       3       29       2       2       2       61       4       62       3         11       4       31       1       31       1       2       1       1       1       1       1 <td>1</td> <td>1</td> <td>21</td> <td></td> <td></td> <td>1</td> <td>4</td> <td>21</td> <td>1</td> <td>13</td> <td>3</td> <td>33</td> <td>2</td> <td>53</td> <td>4</td>	1	1	21			1	4	21	1	13	3	33	2	53	4
3	2	4	22			2	4	22	1	14	2	34	2	54	2
5       2       25       2         6       1       26       3         7       2       27       3         8       1       28       1         9       3       29       2         10       2       30       2         11       4       31       2         12       4       32       1         13       3       33       3         14       4       34       3         15       3       35       3         16       4       34       3         15       3       35       3         16       4       34       3         17       4       34       3         15       3       35       3         16       3       36       2         17       4       34       3         17       4       37       3       3         16       3       32       2       2       11       1       1       2       3         17       4       35       3       2       2       12 <t< td=""><td>3</td><td>2</td><td>23</td><td></td><td></td><td>3</td><td>3</td><td>23</td><td>2</td><td>15</td><td>2</td><td>35</td><td>1</td><td>55</td><td>3</td></t<>	3	2	23			3	3	23	2	15	2	35	1	55	3
6 ① 26 ③ 7 ② 27 ③ 8 ① 28 ① 9 ③ 29 ② 10 ② 30 ② 11 ④ 31 ② 12 ④ 32 ① 13 ③ 33 ③ 14 ④ 34 ③ 15 ⑤ 3 35 ③ 16 ④ 17 ④ 18 ④ 19 ④ 20 ① 1 20 ① 1 20 ① 1 20 ① 1 20 ④ 39 ③ 21 △ 32 ② 21 △ 32 ② 21 △ 32 ② 21 △ 32 ② 21 △ 32 ② 22 △ 33 △ 33 △ 34 △ 34 △ 34 △ 34 △ 34 △	4	3	24	4		4	1	24	2	16	1	36	2	56	2
		2	25	2			3	25	1		4	37	3	57	1
8       1       28       1         9       3       29       2         10       2       30       2         11       4       31       2         12       4       32       1         13       3       33       3         14       4       34       3         15       3       35       3         16       4       34       3         17       4       4       34       3         17       4       15       3       36       2         19       4       39       3       4       1       1       1       2         18       4       39       3       6       3       6       3       1       2       1       1       2       1       3       1       3       2       2       1       2       1       3       1       3       1       3       1       3       1       3       3       1       3       3       3       1       3       3       3       1       3       3       3       4       1       1       4															
9 ③ 29 ② 10 ② 30 ② 11 ④ 31 ② 11 ④ 31 ① 12 ④ 32 ① 11 ④ 34 ③ 33 ③ 15 ④ 35 ③ 15 ④ 35 ③ 16 ④ 4									_		_				
10   2   30   2   11   4   31   1   12   4   32   2   13   33   33   3   3   3   3   3   3				_						20	3	40	2		
11   4   31   2   1   4   31   1   63   4   12   4   32   2   13   3   3   3   3   3   3   14   4   3   3   4   2   1   1   1   2   3   3   15   4   35   3   2   2   2   12   1   22   3   3   15   4   35   3   2   2   2   12   1   22   3   3   16   4   4   4   4   4   4   4   4   4									_						
12   4   32   1   13   33   3   3   3   3   3   3															
13   3   33   3   3   14   4   3   34   2   1   2   11   1   21   3   3   15   3   35   3   15   4   35   3   2   2   2   12   1   22   3   16   4   4   4   17   4   18   4   19   4   39   3   6   3   16   1   26   1   20   1   4   4   24   1   20   1   4   4   24   1   20   1   20   1   20   1   3   3   3   4   3   3   4   3   3   3				_	-									63	4
14       4       34       3         15       3       35       3         16       4         17       4         18       4         19       4         20       1         20       1         20       1         20       1         41       4         40       3         3       4         4       1         4       4         4       1         4       4					-		_			CTL					
15       3       35       3         16       4         17       4         18       4         19       4         20       1         20       1         20       1         20       1					-		_					11	<u>(1)</u>	21	
16       4         17       4         18       4         19       4         20       1         4       1         4       1         14       4         24       1         19       4         39       3         6       3         16       3         37       4         40       3         41       4         42       4         43       4         10       1         20       1					1										
17     4       18     4       19     4       20     1       18     38       4     1       5     4       4     15       4     25       3     3       6     3       16     1       20     4       40     3       7     4       41     4       8     3       18     26       19     3       19     4       20     4       40     3       7     4       41     4       8     3       18     26       19     4       20     4       40     3       7     4       17     3       27     2			23	<u> </u>	+										
18     ①       19     ②       20     ①       41     ②       42     ③       43     ④       43     ④       40     ①       41     ②       42     ③       43     ④       40     ①       41     ②       42     ②       43     ①       40     ②       41     ②       42     ②       43     ②       40     ②       41     ②       42     ②       43     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ②       40     ③       40     ②       40     ③       40     ②       40     ③       40 <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td>											_				
19     4       20     1         19     4     39     3     6     3     16     1     26     1       20     4     40     3     7     4     17     3     27     2       41     4     8     3     18     4     28     3       42     4     9     3     19     4     29     1       43     4     10     1     20     1     30     3							_								
20     ①       41     ②       42     ③       43     ④       10     ①       20     ②       40     ③       30     18       42     ②       43     ①       40     ②       40     ②       40     ②       40     ②       40     ②       40     ③       40     ②       40     ③       40     ③       40     ③       40     ③       40     ③       40     ③       40     3       40     3       40     3       40     3       40     3       40     3       40     3       40     3       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40     4       40 </td <td></td>															
41     4     8     3     18     4     28     3       42     4     9     3     19     4     29     1       43     4     10     1     20     1     30     3							_								
42     4     9     3     19     4     29     1       43     4     10     1     20     1     30     3			1		1					8					
								42							
44 ③ 31 ②								43	4	10	1	20	1	30	3
								44	3				·	31	2

7장														
1	2	21	3	41	2	61	3		SELECT B.부서명, COUNT(*)					
2	1	22	3	42	2	62	3		FROM 직원 as A, 부서 as B					
3	<b>(4</b> )	23	2	43	3	63	4		WHERE B.부서번호 = A.소속부서번호 AND A.급여 >= 40000 AND A.소속부서번호 IN (SELECT C.소속부서번호					
4	(2)	24	2	44	1)	64	(2)	70	FROM 직원 as C					
					Ŭ				GROUP BY C.소속부서번호					
5	4	25	1	45	1	65	4		HAVING COUNT(*) > 5 )					
									GROUP BY B.부서번호					
6	3	26	3	46	2	66	3		SELECT C.고객ID, C.이름, C.주소					
7	4	27	4	47	3	67	1	71	FROM 고객 C					
8	4	28	1	48	3	68	4	/ 1	WHERE C.고객ID NOT IN					
9	3	29	3	49	4	69	3		(SELECT C.고객ID FROM 주문 O WHERE C.고객ID = O.고객ID);					
10	3	30	4	50	2				1.					
11	2	31	2	51	4				SELECT DISTINCT R.r2					
12	4	32	3	52	1				FROM R WHERE EXISTS (SELECT S.s1					
13	1	33	2	53	1				FROM S					
14	2	34	4	54	3				WHERE S.s1=R.r1 AND S.s2=100);					
15	2	35	2	55	2				2.					
16	3	36	4	56	4				SELECT DISTINCT A.r2					
17	4	37	1	57	2			72	FROM R AS A, S AS B					
18	3	38	2	58	2				WHERE A.r1=B.s1 AND B.s2=100;					
19	1	39	1	59	1				3.					
20	4	40	4	60	4				SELECT DISTINCT R.r2					
									FROM R					
									WHERE R.r1 IN (SELECT S.s1					
									FROM S					
									WHERE S.s2=100);					

8장						9장					
1	1	11	4	21	4	1	4	11	2	21	1
2	1	12	3	22	3	2	1	12	4	22	1
3	2	13	3	23	3	3	2	13	1	23	3
4	3	14	4	24	4	4	4	14	4	24	4
5	1	15	4	25	1	5	3	15	4)	25	4
6	2	16	1	26	4	6	4	16	2	26	4
7	1	17	3	27	3	7	1	17	4	27	3
8	3	18	3	28	3	8	4	18	2	28	2
9	1	19	1	29	2	9	1	19	3	29	1
10	3	20	2	30	2	10	1	20	2	30	4
										31	4
										32	4
										33	4
										34	2
										35	2
10장	_		_				_				
1	3	21	4	41	3	61	2	81	1		
2	4	22	3	42	2	62	2	82	2		
3	4	23	3	43	4	63	3	83	2		
4	2	24	4	44	1	64	3	84	1		
5	2	25 26	3	45 46	2	65 66	4	85 86	2		
7	2	27	1	47	<ul><li>2</li><li>4</li></ul>	67	<u>3</u>	87	<u>3</u>		
8	1	28	3	48	4	68	1	88	4		
9	3	29	2	49	2	69	4	89	1		
10	3	30	1	50	3	70	1	90	2		
11	1	31	1	51	1	71	4				
12	4	32	3	52	4	72	4				
13	4	33	4	53	1	73	3				
14	4	34	1	54	1	74	1				
15	4	35	2	55	4	75	2				
16	4	36	3	56	1	76	2				
17	3	37	2	57	1	77	3				
18	3	38	4	58	2	78	2				
19	2	39	4	59	4	79	3				
20	4	40	4	60	4	80	4				

11장		12장				13장	
1	1	1	4	21	2	1	4
2	4	2	4	22	1	2	3
3	1	3	1	23	1	3	1
4	3	4	1	24	4	4	3
5	2	5	1	25	2	5	1
6	3	6	1	26	2	6	2
7	3	7	2	27	1	7	1
8	4	8	1	28	1		
9	1	9	4	29	2		
10	2	10	1	30	1		
11	3	11	4	31	4		
12	2	12	4	32	3		
13	3	13	4	33	1		
14	2	14	4	34	3		
15	4	15	3	35	2		
16	1	16	1				
17	3	17	1				
		18	3				
		19	2				
		20	1				