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**Jawaban untuk soal Database:**




1.

Query Query History



```
1  ✓ CREATE TABLE employee (  
2      ID SERIAL PRIMARY KEY,  
3      Name VARCHAR(50),  
4      DepartmentID INT  
5  );  
6  
7  ✓ CREATE TABLE department (  
8      ID SERIAL PRIMARY KEY,  
9      Name VARCHAR(50)  
10 );  
11  
12 ✓ CREATE TABLE spending (  
13     ID SERIAL PRIMARY KEY,  
14     EmployeeID INT,  
15     Date DATE,  
16     "Value" INT,  
17     FOREIGN KEY (EmployeeID) REFERENCES employee(ID)  
18 );  
19
```

2.

```
INSERT INTO employee (ID, Name, DepartementID)  
VALUES  
    (1, 'Budi', 1),  
    (2, 'Iwan', 2),  
    (3, 'Susi', 3),  
    (4, 'Amir', 1),  
    (5, 'Primus', 1),  
    (6, 'Tuti', 2),  
    (7, 'Sinta', 2),  
    (8, 'Santi', 3),  
    (9, 'Badu', 3),  
    (10, 'Marfu''ah', 3);
```

	id [PK] integer 	name character varying (50) 	departmentid integer 
1	1	Budi	1
2	2	Iwan	2
3	3	Susi	3
4	4	Amir	1
5	5	Primus	1
6	6	Tuti	2
7	7	Sinta	2
8	8	Santi	3
9	9	Badu	3
10	10	Marfu'ah	3

```
INSERT INTO department (ID, Name)
VALUES
  (1, 'Information Technology'),
  (2, 'Human Capital'),
  (3, 'Finance and Accounting');
```

	id [PK] integer 	name character varying (50) 
1	1	Information Technology
2	2	Human Capital
3	3	Finance and Accounting

Query Query History

```

39
40 ▼ INSERT INTO spending (EmployeeID, Date, "Value")
41 VALUES
42     (1, '2020-03-04', 3000000.00),
43     (4, '2020-04-06', 9826000.00),
44     (5, '2020-04-06', 43879200.00),
45     (4, '2020-09-08', 8983400.00),
46     (6, '2020-12-06', 2425600.00),
47     (7, '2021-04-02', 879200.00),
48     (2, '2021-04-02', 68892340.00),
49     (3, '2021-05-01', 3500000.00),
50     (3, '2021-07-03', 567800.00),
51     (4, '2021-07-03', 6786730.00),
52     (8, '2021-08-02', 7893400.00),
53     (3, '2021-10-03', 8200450.00),
54     (1, '2021-12-23', 8982300.00),
55     (2, '2022-02-03', 334890.00),
56     (5, '2022-04-06', 2342460.00),
57     (2, '2022-04-11', 78923400.00),
58     (6, '2022-11-05', 23244600.00),
59     (3, '2022-11-05', 32324900.00),
60     (6, '2023-01-03', 5500100.00),
61     (5, '2023-03-27', 2342350.00),
62     (5, '2023-04-02', 2423400.00);

```

	id [PK] integer	employeeid integer	date date	Value integer
1	1	1	2020-03-04	3000000
2	2	4	2020-04-06	9826000
3	3	5	2020-04-06	43879200
4	4	4	2020-09-08	8983400
5	5	6	2020-12-06	2425600
6	6	7	2021-04-02	879200
7	7	2	2021-04-02	68892340
8	8	3	2021-05-01	3500000
9	9	3	2021-07-03	567800
10	10	4	2021-07-03	6786730
11	11	8	2021-08-02	7893400
12	12	3	2021-10-03	8200450
13	13	1	2021-12-23	8982300
14	14	2	2022-02-03	334890
15	15	5	2022-04-06	2342460
16	16	2	2022-04-11	78923400


3.

Query

Query History

65

66

67  SELECT

68     e.ID AS "IDemploye",

69     e.Name AS "Name employe",

70     d.Name AS "Name departemen"

71 FROM

72     employee e

73 JOIN

74     department d ON e.departmentid = d.ID;










75

76

Data Output

Messages

Notifications



SQL

	IDemploye integer	Name employe character varying (50)	Name departemen character varying (50)
1	1	Budi	Information Technology
2	2	Iwan	Human Capital
3	3	Susi	Finance and Accounting
4	4	Amir	Information Technology
5	5	Primus	Information Technology
6	6	Tuti	Human Capital
7	7	Sinta	Human Capital
8	8	Santi	Finance and Accounting
9	9	Badu	Finance and Accounting
10	10	Marfu'ah	Finance and Accounting