

Problem 1 :-

Description | Editorial | Solutions | Submissions

Example 1:

Input:
Sales table:

sale_id	product_id	year	quantity	price
1	100	2008	10	5000
2	100	2009	12	5000
7	200	2011	15	9000

Product table:

product_id	product_name
100	Nokia
200	Apple
300	Samsung

Output:

product_name	year	price
Nokia	2008	5000
Nokia	2009	5000
Apple	2011	9000

Explanation:
From sale_id = 1, we can conclude that Nokia was sold for 5000 in the year 2008.
From sale_id = 2, we can conclude that Nokia was sold for 5000 in the year 2009.
From sale_id = 7, we can conclude that Apple was sold for 9000 in the year 2011.

1.4K | 165 | 30 Online

Code

MS SQL Server | Auto

```
1 /* Write your T-SQL query statement below */
2 Select product_name , year , price
3 from Sales
4 Join Product
5 On Sales.product_id = Product.product_id;
```

Saved | Ln 5, Col 42

Testcase | **Test Result**

Accepted Runtime: 234 ms

Case 1

Input

Sales =

sale_id	product_id	year	quantity	price
1	100	2008	10	5000
2	100	2009	12	5000
7	200	2011	15	9000

Product =

product_id	product_name
100	Nokia
200	Apple
300	Samsung

Problem 2:-

Description | Editorial | Solutions | Submissions

visit_id | customer_id

1	23
2	9
4	30
5	54
6	96
7	54
8	54

Transactions

transaction_id	visit_id	amount
2	5	310
3	5	300
9	5	200
12	1	910
13	2	970

Output:

customer_id	count_no_trans
54	2
30	1
96	1

Explanation:
Customer with id = 23 visited the mall once and made one transaction during the visit with id = 12.
Customer with id = 9 visited the mall once and made one transaction during the visit with id = 5.

3.3K | 302 | 41 Online

Code

MS SQL Server | Auto

```
1 /* Write your T-SQL query statement below */
2 Select customer_id , Count(*) As count_no_trans
3 from Visits
4 Left Join Transactions
5 On Visits.visit_id = Transactions.visit_id
6 where Transactions.transaction_id is Null
7 Group By Visits.customer_id
```

Saved | Ln 7, Col 28

Testcase | **Test Result**

Accepted Runtime: 244 ms

Case 1

Input

Visits =

visit_id	customer_id
1	23
2	9
4	30
5	54
6	96
7	54

Problem 3:-

Example 1:

Input:

Employees table:

id	name
1	Alice
7	Bob
11	Meir
90	Winston
3	Jonathan

EmployeeUNI table:

id	unique_id
3	1
11	2
90	3

Output:

unique_id	name
null	Alice
null	Bob
2	Meir
3	Winston
1	Jonathan

Explanation:

1.9K 207 40 Online

Code

```
MS SQL Server Auto
1 /* Write your T-SQL query statement below */
2 Select name , unique_id
3 from Employees
4 Left Join EmployeeUNI
5 On Employees.id = EmployeeUNI.id
6
```

Saved Ln 6, Col 1

Testcase | Test Result

Accepted Runtime: 207 ms

Case 1

Input

Employees =

id	name
1	Alice
7	Bob
11	Meir
90	Winston
3	Jonathan

Problem 4 :- (Help By AI => DTAEADD())

Example 1:

Input:

Weather table:

id	recordDate	temperature
1	2015-01-01	10
2	2015-01-02	25
3	2015-01-03	20
4	2015-01-04	30

Output:

id
2
4

Explanation:

In 2015-01-02, the temperature was higher than the previous day (10 -> 25).

In 2015-01-04, the temperature was higher than the previous day (20 -> 30).

Seen this question in a real interview before? 1/5

Yes No

Accepted 1,352,825/2.7M Acceptance Rate 50.9%

4K 571 83 Online

Code

```
MS SQL Server Auto
1 /* Write your T-SQL query statement below */
2 Select w1.id
3 From Weather w1
4 Join Weather w2
5 On w1.recordDate = DATEADD(day,1,w2.recordDate)
6 where w1.temperature > w2.temperature
```

Saved Ln 5, Col 48

Testcase | Test Result

Accepted Runtime: 317 ms

Case 1

Input

Weather =

id	recordDate	temperature
1	2015-01-01	10
2	2015-01-02	25
3	2015-01-03	20
4	2015-01-04	30

Output

id
2
4

Problem 5 :-

```
SQLQuery1....hmod (77))* ✕
1
2
3  Select emp_name , ISNULL(dept_name , 'unassigned') As dept_name
4  from Employees
5  Left Join Department
6  On Employees.dept_id = Departments.dept_id;
```

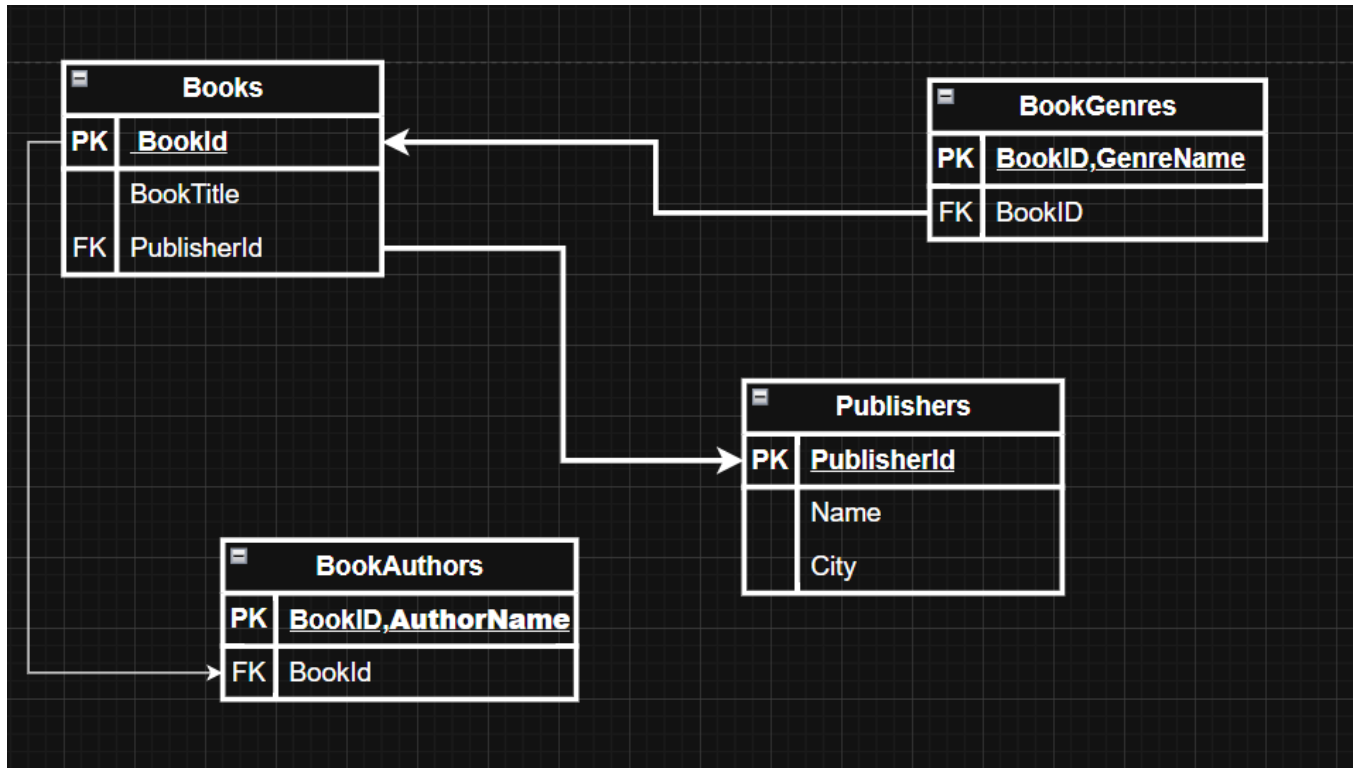
Problem 6 :-

```
SQLQuery1....hmod (77))* ✕
7
8
9
10 Select Product_name , Supplier_name
11 From Products
12 Left Join Suppliers
13 On Products.Product_id = Suppliers.Supplier_id
14 Where Product_name like '%Phone%';
```

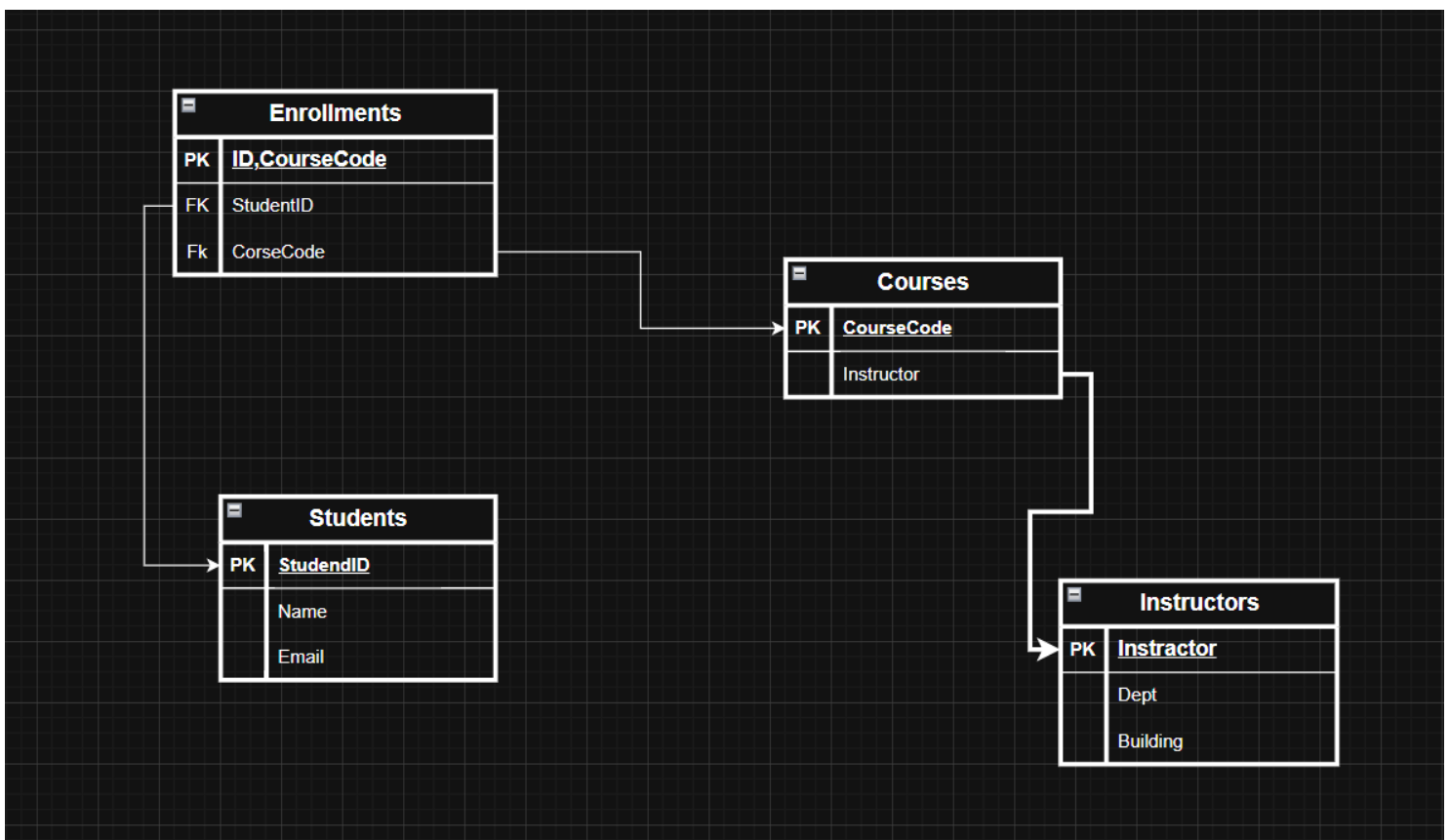
Problem 7 :-

```
SQLQuery1....hmod (77))* ✕
15
16
17
18 Select firstname + ' ' + lastname As Full_Name, order_id , amount
19 From Customers
20 Full outer Join Orders
21 On Customers.customer_id = Orders.customer_id
22
```

Problem 8 :-



Problem 9 :-



Problem 10 :-

