Replacing Nulls in Queries

1

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employees

employee_id	first_name	salary	bonus
1	James	90000	5000
2	Jordan	120000	20000
3	Amelia	90000	5000
4	Sarah	85000	NULL
5	Jonathan	85000	NULL

```sql
SELECT
 employee_id,
 first_name,
 salary,
 bonus
FROM employees;
```

2

employees

employee_id	first_name	salary	bonus	total_amount	
1	James	90000	5000	95000	
2	Jordan	120000	20000	140000	
3	Amelia	90000	5000	95000	
4	Sarah	85000	NULL	NULL	✖
5	Jonathan	85000	NULL	NULL	✖

```sql
SELECT
 employee_id,
 first_name,
 salary,
 bonus,
 salary + bonus AS total_amount
FROM employees;
```

3

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employees

employee_id	first_name	salary	bonus	total_amount
1	James	90000	5000	95000
2	Jordan	120000	20000	140000
3	Amelia	90000	5000	95000
4	Sarah	85000	NULL	85000
5	Jonathan	85000	NULL	85000

COALESCE() Function Syntax:

COALESCE(expression1, expression2, … expression_n)

```sql
SELECT
 employee_id,
 first_name,
 salary,
 bonus,
 salary + COALESCE(bonus, 0) AS total_amount
FROM employees;
```

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emergency_contacts

employee_id	contact	home_phone	cell_phone	work_phone
1	Brianna	NULL	813.977.4376	530.529.8383
2	Ashley	NULL	NULL	886.448.4111
3	Jacob	NULL	919.719.3982	NULL
4	Henry	960.632.9653	699.407.9895	984.532.4177
5	Kristie	NULL	NULL	NULL

```
SELECT
  employee_id,
  contact,
  home_phone,
  cell_phone,
  work_phone
FROM emergency_contacts;
```

5

emergency_contacts

employee_id	contact	home_phone	cell_phone	work_phone	phone
1	Brianna	NULL	813.977.4376	530.529.8383	813.977.4376
2	Ashley	NULL	NULL	886.448.4111	886.448.4111
3	Jacob	NULL	919.719.3982	NULL	919.719.3982
4	Henry	960.632.9653	699.407.9895	984.532.4177	960.632.9653
5	Kristie	NULL	NULL	NULL	NA

```
SELECT
  employee_id,
  contact,
  home_phone,
  cell_phone,
  work_phone,
  COALESCE(home_phone, cell_phone, work_phone, 'NA') AS phone
FROM emergency_contacts;
```

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