

- ✓
- GROUP BY
 - Aggregation fns → SUM, AVG, MIN, MAX, COUNT(*)
 - HAVING

Joins

T1 (L)

id	
1	✓
1	✓
2	✓
2	✓
NULL	✗

T2 (R)

id	
1	← ✓
2	✓
3	✗
NULL	← ✗

LEFT JOIN

t1.id	t2.id
1	1
1	1
2	2
2	2
NULL	NULL

RIGHT JOIN

t1.id	t2.id
1	1
1	1
2	2
2	2
NULL	3
NULL	NULL

INNER JOIN

t1.id	t2.id
1	1
1	1
2	2
2	2

Full Outer Join

t1.id	t2.id
1	1
1	1
2	2
2	2
3	3
NULL	NULL

2	2
2	2

2	2
2	2
NULL	3
NULL	NULL
NULL	NULL

GROUP BY



AVG spent on each

Date	Gid	Cont	totalamt	SUM	AVG
21	1	3	5	27	$\frac{27}{3}$
21	1	1	15		
21	1	1	7	12	
22	1	2	5	11	5.5
22	1	1	6		
23	2	2	5	4	4
23	2	1	4		
23	1	1	4		

GROUP BY

AVG()

Syntax:

SELECT [cols]
FROM [table]

