



K. J. Somaiya College of Engineering, Mumbai-77
(Autonomous College Affiliated to University of Mumbai)

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Title: JOINS

LEFT OUTER JOIN USING

PREDICATE

The screenshot shows a PostgreSQL Query Editor window with the following SQL query:

```
1  
2 SELECT soldiers.sno, weapons.wnumber  
3 FROM soldiers  
4 LEFT JOIN weapons  
5 ON soldiers.sno = weapons.wnumber  
6 ORDER BY soldiers.sno;
```

Below the query editor, the 'Data Output' section displays a table with 5 rows and 2 columns:

	sno integer	wnumber integer
1	10000	[null]
2	10001	[null]
3	10002	[null]
4	10003	[null]
5	10004	[null]

RIGHT OUTER JOIN



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Defence / postgres@PostgreSQL 12

Query Editor Query History

```
1 SELECT soldiers.sno,soldiers.name,weapons.wnumber,weapons.wname
2 FROM soldiers
3 RIGHT JOIN weapons
4 ON soldiers.sno = weapons.wnumber;
5
```

Data Output

	sno integer	name character varying (25)	wnumber integer	wname character (10)
1	[null]	[null]	4	AK47
2	[null]	[null]	4	AK104
3	[null]	[null]	9	GRANADE
4	[null]	[null]	9	GRANADE
5	[null]	[null]	19	SLR
6	[null]	[null]	8	INSAS



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FULL OUTER JOIN

Query Editor Query History

```
1 SELECT soldiers.sno,weapons.wnumber
2 FROM soldiers
3 FULL OUTER JOIN weapons
4 ON soldiers.sno = weapons.wnumber
5
```

Data Output

	sno integer	wnumber integer
1	[null]	4
2	[null]	4
3	[null]	9
4	[null]	9
5	[null]	19
6	[null]	8
7	10002	[null]
8	10001	[null]
9	10000	[null]

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