➜ new:
- ◆ JOIN
- ◆ ON
- ◆ LEFT JOIN

student	
id	name
0147	Lisa Jones
1008	Luz Garcia
0267	Lin Wong

enrolled	
id	class
0147	Math
1008	Physics

➜ script.sql
```sql
SELECT student.name, enrolled.class
FROM student
JOIN enrolled -- joining: matches rows based on common property
ON student.id = enrolled.id; -- introduces condition
```

id	name	id	class
0147	Lisa Jones	0147	Math
1008	Luz Garcia	1008	Physics

➜ JOIN is short for INNER JOIN

```sql
SELECT *
FROM student
JOIN enrolled -- joining: matches rows based on common property
ON student.id = enrolled.id; -- introduces condition
```

name	class
Lisa Jones	Math
Luz Garcia	Physics

➜ `LEFT JOIN` selects all rows on the first table, even if there is no match in the joining.

```sql
SELECT *
FROM student
LEFT JOIN enrolled
ON student.id = enrolled.id;
```

id	name	id	class
0147	Lisa Jones	0147	Math
1008	Luz Garcia	1008	Physics
0267	Lin Wong		

student	
id	name
0147	Lisa Jones
1008	Luz Garcia
0267	Lin Wong

enrolled	
id	class
0147	Math
1008	Physics
1008	History

➜ `script.sql`
```sql
SELECT *
FROM student
JOIN enrolled -- joining: matches rows based on common property
ON student.id = enrolled.id; -- introduces condition
```

id	name	id	class
0147	Lisa Jones	0147	Math
1008	Luz Garcia	1008	Physics
1008	Luz Garcia	1008	History

PROJECTS

➔ MATCH ATHLETES TO THEIR MEDALS (EASY):

athlete	
name	country
S. Wevers	NED
L.Hernandez	USA
S. Biles	USA
M. Boyer	FRA

award	
name	medal
S. Wevers	Gold
L.Hernandez	Silver
S. Biles	Bronze

```sql
SELECT *
FROM athlete
JOIN award
ON athlete.name = award.name;
```

name	country	name	medal
S. Wevers	NED	S. Wevers	Gold
L.Hernandez	USA	L.Hernandez	Silver
S. Biles	USA	S. Biles	Bronze

➔ MATCH PIZZA ORDERS (EASY):

pizza_order	
user	pizza
133	Marinara
133	Daviola
257	Margherita

user		
id	name	address
133	Mitch	33 Talbot Ave
257	Sue	80 Trenton St
441	Lee	3 Yukon Ave

```sql
SELECT user.name, user.address, po.pizza
FROM pizza_order AS po
JOIN user
ON po.user = user.id;
```

name	address	pizza
Mitch	33 Talbot Ave	Marinara
Mitch	33 Talbot Ave	Daviola
Sue	80 Trenton St	Margherita