| **FOODS** | | | |
| --- | --- | --- | --- |
| **item\_id** | **item\_name** | **item\_unit** | **company\_id** |
| 1 | Chex Mix | Pcs | 16 |
| 6 | Cheez-lt | Pcs | 15 |
| 2 | BN Biscuit | Pcs | 15 |
| 3 | Mighty Munch | Pcs | 17 |
| 4 | Pot Rice | Pcs | 15 |
| 5 | Jaffa Cakes | Pcs | 18 |
| 7 | Salt n Shake | Pcs | NULL |

| **COMPANY** | | |
| --- | --- | --- |
| **company\_id** | **company\_name** | **company\_city** |
| 18 | Order All | Boston |
| 15 | Jack Hill Ltd | London |
| 16 | Akas Foods | Delhi |
| 17 | Foodies. | London |
| 19 | sip-n-Bite. | New York |

SELECT \* FROM foods NATURAL JOIN company;

| **item\_id** | **item\_name** | **item\_unit** | **company\_id** | **company\_name** | **company\_city** |
| --- | --- | --- | --- | --- | --- |
| 1 | Chex Mix | Pcs | 16 |  |  |
| 6 | Cheez-lt | Pcs | 15 |  |  |
| 2 | BN Biscuit | Pcs | 15 |  |  |
| 3 | Mighty Munch | Pcs | 17 |  |  |
| 4 | Pot Rice | Pcs | 15 |  |  |
| 5 | Jaffa Cakes | Pcs | 18 |  |  |

SELECT \* FROM foods f INNER JOIN company c ON f.company\_id = c.company\_id;

| **FOODS INNER JOIN COMPANY** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **item\_id** | **item\_name** | **item\_unit** | **company\_id** | **Company\_id** | **company\_name** | **company\_city** |
| 1 | Chex Mix | Pcs | 16 |  |  |  |
| 6 | Cheez-lt | Pcs | 15 |  |  |  |
| 2 | BN Biscuit | Pcs | 15 |  |  |  |
| 3 | Mighty Munch | Pcs | 17 |  |  |  |
| 4 | Pot Rice | Pcs | 15 |  |  |  |
| 5 | Jaffa Cakes | Pcs | 18 |  |  |  |
|  |  |  |  |  |  |  |

SELECT \* FROM foods f LEFT OUTER JOIN company c ON f.company\_id = c.company\_id;

| **FOODS LEFT OUTER JOIN COMPANY** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **item\_id** | **item\_name** | **item\_unit** | **f.company\_id** | **c.company\_id** | **company\_name** | **company\_city** |
| 1 | Chex Mix | Pcs | 16 | 16 | Akas Foods | Delhi |
| 6 | Cheez-lt | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 2 | BN Biscuit | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 3 | Mighty Munch | Pcs | 17 | 17 | Foodies. | London |
| 4 | Pot Rice | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 5 | Jaffa Cakes | Pcs | 18 | 18 | Order All | London |
|  |  |  |  |  |  |  |

SELECT \* FROM foods f RIGHT OUTER JOIN company c ON f.company\_id = c.company\_id;

| **FOODS RIGHT OUTER JOIN COMPANY** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **item\_id** | **item\_name** | **item\_unit** | **f.company\_id** | **c.company\_id** | **company\_name** | **company\_city** |
| 1 | Chex Mix | Pcs | 16 | 16 | Akas Foods | Delhi |
| 6 | Cheez-lt | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 2 | BN Biscuit | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 3 | Mighty Munch | Pcs | 17 | 17 | Foodies. | London |
| 4 | Pot Rice | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 5 | Jaffa Cakes | Pcs | 18 | 18 | Order All | London |
|  |  |  |  |  |  |  |

SELECT \* FROM foods f FULL OUTER JOIN company c ON f.company\_id = c.company\_id;

| **FOODS FULL OUTER JOIN COMPANY** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **item\_id** | **item\_name** | **item\_unit** | **company\_id** | **c.company\_id** | **company\_name** | **company\_city** |
| 1 | Chex Mix | Pcs | 16 | 16 | Akas Foods | Delhi |
| 6 | Cheez-lt | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 2 | BN Biscuit | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 3 | Mighty Munch | Pcs | 17 | 17 | Foodies. | London |
| 4 | Pot Rice | Pcs | 15 | 15 | Jack Hill Ltd | London |
| 5 | Jaffa Cakes | Pcs | 18 | 18 | Order All | London |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**NATURAL JOIN WITH 2 COMMON COLUMNS:**

SELECT \*

FROM entrée NATURAL JOIN wine;

| **ENTREE** | | | |
| --- | --- | --- | --- |
| **entree\_id** | **entree\_name** | **cost** | **cuisine** |
| 1 | Chicken Cordon Blue | $$$ | French |
| 2 | Rigatoni | $ | Italian |
| 3 | Lasagna | $$ | Italian |
| 4 | Enchiladas | $ | Mexican |
| 5 | Peking Duck | $$$ | Chinese |
| 6 | Prime Rib | $$$$ | American |
| 7 | Grilled Salmon | $$ | American |
|  |  |  |  |

| **WINE** | | | |
| --- | --- | --- | --- |
| **wine\_id** | **Wine\_name** | **cost** | **cuisine** |
| W1 | Chianti | $ | Italian |
| W2 | Bourdeaux | $$ | French |
| W3 | Casa de Piedra | $$ | Mexican |
| W4 | Chardonnnay | $$ | American |
| W5 | Chablis | $$$ | French |

| **ENTRÉE NATURAL JOIN WINE** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **entree\_id** | **entree\_name** | **cost** | **cuisine** | **Wine\_id** | **Wine\_name** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

JOIN USING: SELECT \*   
 FROM entrée JOIN wine USING (cuisine);

| **ENTRÉE JOIN WINE USING (CUISINE)** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **entree\_id** | **entree\_name** | **cost** | **cuisine** | **Wine\_id** | **Wine\_name** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

SELECT entrée\_name, wine\_name

FROM entrée JOIN wine USING (cost);

|  |  |
| --- | --- |
| Entrée\_name | Wine\_name |
|  |  |
|  |  |
|  |  |
|  |  |
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