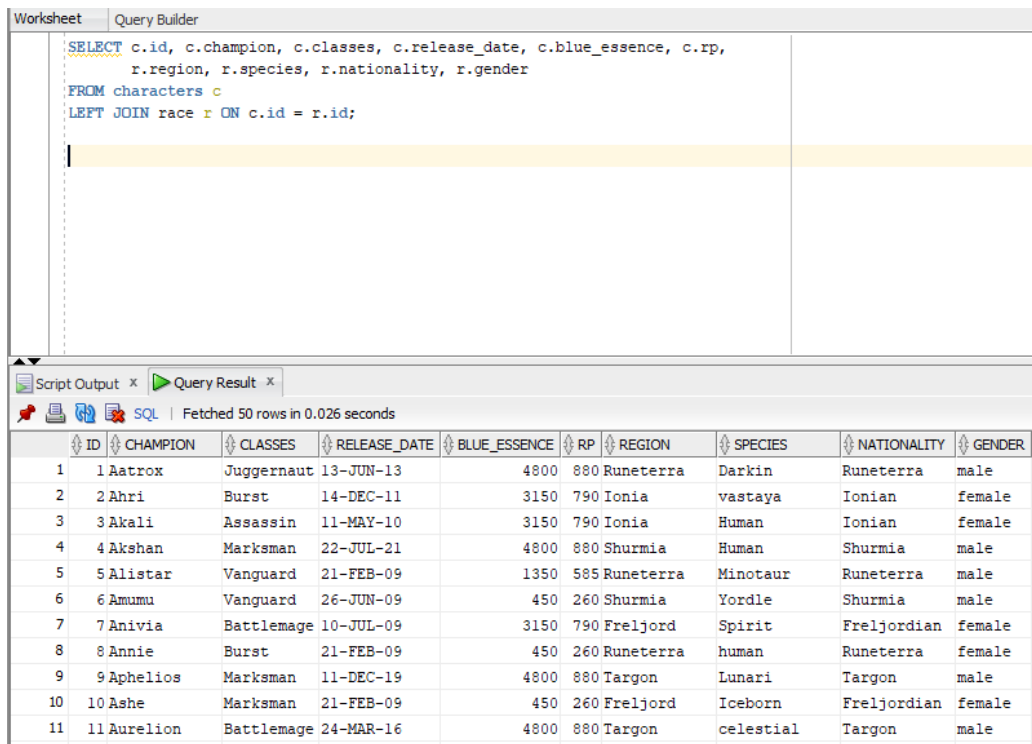https://leagueoflegends.fandom.com/wiki/List_of_champions

Reason: I wanted to see the data between Characters and Race so I did an Inner join to showcase all the data.

Code: SELECT c.id, c.champion, c.classes, c.release_date, c.blue_essence, c.rp,

   r.region, r.species, r.nationality, r.gender

FROM characters c

LEFT JOIN race r ON c.id = r.id;

```
Worksheet    Query Builder

    SELECT c.id, c.champion, c.classes, c.release_date, c.blue_essence, c.rp,
           r.region, r.species, r.nationality, r.gender
    FROM characters c
    LEFT JOIN race r ON c.id = r.id;
```

Script Output ×   Query Result ×

SQL | Fetched 50 rows in 0.026 seconds

	ID	CHAMPION	CLASSES	RELEASE_DATE	BLUE_ESSENCE	RP	REGION	SPECIES	NATIONALITY	GENDER
1	1	Aatrox	Juggernaut	13-JUN-13	4800	880	Runeterra	Darkin	Runeterra	male
2	2	Ahri	Burst	14-DEC-11	3150	790	Ionia	vastaya	Ionian	female
3	3	Akali	Assassin	11-MAY-10	3150	790	Ionia	Human	Ionian	female
4	4	Akshan	Marksman	22-JUL-21	4800	880	Shurmia	Human	Shurmia	male
5	5	Alistar	Vanguard	21-FEB-09	1350	585	Runeterra	Minotaur	Runeterra	male
6	6	Amumu	Vanguard	26-JUN-09	450	260	Shurmia	Yordle	Shurmia	male
7	7	Anivia	Battlemage	10-JUL-09	3150	790	Freljord	Spirit	Freljordian	female
8	8	Annie	Burst	21-FEB-09	450	260	Runeterra	human	Runeterra	female
9	9	Aphelios	Marksman	11-DEC-19	4800	880	Targon	Lunari	Targon	male
10	10	Ashe	Marksman	21-FEB-09	450	260	Freljord	Iceborn	Freljordian	female
11	11	Aurelion	Battlemage	24-MAR-16	4800	880	Targon	celestial	Targon	male

Reason: Import data from excel was not working so I did a manual add. Magic, Physical, Hybrid.

Code: UPDATE characters

SET damage = 'Hybrid'

WHERE id IN (1, 4, 11, 14, 16, 23, 26, 31, 34, 36, 49, 54, 59, 60, 62, 66, 72, 85, 88, 102, 106, 115, 117, 135, 136, 137, 138, 140, 161);

Reason: Needed to assign position ids to the characters

Code: -- Insert lane values into the position table with specified id values

INSERT INTO position (id, lane) VALUES (1, 'Top');

INSERT INTO position (id, lane) VALUES (2, 'Jungle');

INSERT INTO position (id, lane) VALUES (3, 'Mid');

INSERT INTO position (id, lane) VALUES (4, 'Support');

INSERT INTO position (id, lane) VALUES (5, 'Bottom');

Reason: Now using a where to assign their assigned lanes by their classes

Code: UPDATE characters

SET position_id = 4

WHERE classes IN ('Catcher','Enchanter');

Reason: certain characters need to be manually added by their id as certain characters go in different lanes than their normally assigned.

Code: UPDATE characters

SET position_id = 4

WHERE ID IN (17);

TO REMOVE A champion from a position_id

CODE: UPDATE characters

SET position_id = 0 -- Assign a different position_id value, such as 0

WHERE id = 4;

	ID	CHAMPION	CLASSES	RELEASE_DATE	BLUE_ESSENCE	RP	DAMAGE	RESOURCE_BAR	POSITION...
1	1	Aatrox	Juggernaut	13-JUN-13	4800	880	Physical	(null)	1
2	2	Ahri	Burst	14-DEC-11	3150	790	Magic	(null)	3
3	3	Akali	Assassin	11-MAY-10	3150	790	Hybrid	(null)	3
4	4	Akshan	Marksman	22-JUL-21	4800	880	Physical	(null)	3
5	5	Alistar	Vanguard	21-FEB-09	1350	585	Magic	(null)	4
6	6	Amumu	Vanguard	26-JUN-09	450	260	Magic	(null)	2
7	7	Anivia	Battlemage	10-JUL-09	3150	790	Magic	(null)	3
8	8	Annie	Burst	21-FEB-09	450	260	Magic	(null)	3
9	9	Aphelios	Marksman	11-DEC-19	4800	880	Physical	(null)	5
10	10	Ashe	Marksman	21-FEB-09	450	260	Hybrid	(null)	5
11	11	Aurelion	Battlemage	24-MAR-16	4800	880	Magic	(null)	3
12	12	Azir	Specialist	16-SEP-14	4800	880	Magic	(null)	3
13	13	Bard	Catcher	12-MAR-15	4800	880	Hybrid	(null)	4
14	14	Bel'Veth	Skirmisher	09-JUN-22	6300	975	Physical	(null)	2
15	15	Blitzcrank	Catcher	02-SEP-09	1350	585	Hybrid	(null)	4
16	16	Brand	Burst	12-APR-11	450	260	Magic	(null)	3
17	17	Braum	Warden	12-MAY-14	3150	790	Magic	(null)	4

Reason: Now we are adding the resource bars mana, energy, fury, shield bar and n/a

Code: UPDATE characters

SET resource_bar = 'Energy'

WHERE id IN (3, 61, 67, 77, 115, 159);

Code: SELECT c.id, c.champion, c.classes,

 r.species, r.region, r.nationality, r.gender, c.release_date, c.blue_essence, c.rp

FROM characters c

INNER JOIN race r ON c.id = r.id;

	ID	CHAMPION	CLASSES	SPECIES	REGION	NATIONALITY	GENDER	RELEASE_DATE	BLUE_ESSENCE	RP
1	1	Aatrox	Juggernaut	Darkin	Runeterra	Runeterra	male	13-JUN-13	4800	880
2	2	Ahri	Burst	vastaya	Ionia	Ionian	female	14-DEC-11	3150	790
3	3	Akali	Assassin	Human	Ionia	Ionian	female	11-MAY-10	3150	790
4	4	Akshan	Marksman	Human	Shurmia	Shurmia	male	22-JUL-21	4800	880
5	5	Alistar	Vanguard	Minotaur	Runeterra	Runeterra	male	21-FEB-09	1350	585
6	6	Amumu	Vanguard	Yordle	Shurmia	Shurmia	male	26-JUN-09	450	260
7	7	Anivia	Battlemage	Spirit	Freljord	Freljordian	female	10-JUL-09	3150	790
8	8	Annie	Burst	human	Runeterra	Runeterra	female	21-FEB-09	450	260
9	9	Aphelios	Marksman	Lunari	Targon	Targon	male	11-DEC-19	4800	880
10	10	Ashe	Marksman	Iceborn	Freljord	Freljordian	female	21-FEB-09	450	260
11	11	Aurelion	Battlemage	celestial	Targon	Targon	male	24-MAR-16	4800	880

Code: SELECT COUNT(*)

FROM race r

WHERE r.region = 'Ionia';

Example of a LEFT OUTER JOIN

SELECT c.*, p.lane

FROM characters c

LEFT OUTER JOIN position p ON c.position_id = p.id;

Example of a full outer join

SELECT p.lane, c.champion

FROM position p

FULL OUTER JOIN characters c ON p.id = c.position_id;