

Finds characters of certain level that know a certain spell.

```
SELECT * FROM characters
JOIN spells_Known ON spells_known.character_id = characters.id
WHERE characters._level = '?' AND spells_known.spell_id = 1;
```

id	name	party_id	customer_id	race	_class	_level	_size	character_id	spell_id
619	Hermia of Riccelli	89	1988	Dragonborn	Druid	1	Medium	619	1
863	Elise of MacNamee	124	314	Dragonborn	Paladin	1	Medium	863	1
1894	Goraud of Satch	271	1994	Dragonborn	Paladin	1	Medium	1894	1
2197	Daisie of Pessolt	314	1574	Elf	Monk	1	Medium	2197	1
2234	Daryl of Abramchik	320	93	Half-Elf	Rogue	1	Medium	2234	1
2888	Merissa of Muddiman	413	638	Human	Cleric	1	Medium	2888	1
2916	Justis of Cooley	417	1268	Tiefling	Wizard	1	Medium	2916	1
2960	Merle of Eason	423	405	Dragonborn	Bard	1	Medium	2960	1

Finds all parties that have a character of a certain class(Ranger was used for screenshot).

```
SELECT * FROM parties
JOIN characters ON parties.id = characters.party_id
WHERE characters._class = '?';
```

id	name	id	name	party_id	customer_id	race	_class	_level	_size
1	Crimson Rogues of Edgepond	5	Winnie of Ansell	1	140	Elf	Ranger	24	Medium
1	Crimson Rogues of Edgepond	7	Jilli of Bastow	1	1385	Dwarf	Ranger	24	Medium
3	Red Clerics of Morcastle	15	Lou of Perfect	3	391	Half-Orc	Ranger	4	Medium
3	Red Clerics of Morcastle	16	Vidovic of MacAfee	3	1897	Half-Orc	Ranger	11	Medium
5	Mauv Rogues of Valwick	35	Tarra of Robelet	5	256	Dwarf	Ranger	17	Medium
6	Blue Monks of Jandell	41	Anthe of Carah	6	1062	Human	Ranger	7	Medium
7	Crimson Wizards of Vertmere	43	Davy of Tumilty	7	1833	Tiefling	Ranger	24	Medium
7	Crimson Wizards of Vertmere	45	Kristan of Lombard	7	1661	Half-Elf	Ranger	6	Medium
7	Crimson Wizards of Vertmere	48	Minne of Carnaman	7	906	Orc	Ranger	3	Medium
8	Pink Rogues of Glassspring	52	Stevena of Salsbury	8	1692	Tiefling	Ranger	2	Medium
8	Pink Rogues of Glassspring	55	Cristine of Czadla	8	655	Orc	Ranger	1	Medium
10	Green Druids of Glasscastle	65	Merle of Nys	10	453	Half-Orc	Ranger	7	Medium
10	Green Druids of Glasscastle	68	Leonor of Rosenblath	10	1725	Tiefling	Ranger	26	Medium
12	Pink Rogues of Courtpond	81	Anthony of Lloyd-Williams	12	1468	Dwarf	Ranger	11	Medium
14	Blue Sorcerers of Oldmead	96	Craggy of Juden	14	59	Dragonborn	Ranger	26	Medium
15	Violet Clerics of Fieldbarrow	104	Axe of Scarlet	15	668	Orc	Ranger	26	Medium
16	Indigo Bards of Beachland	108	Mario of Barfield	16	966	Dwarf	Ranger	2	Medium
20	Yellow Monks of Crowcliff	125	Ben of Duggan	20	68	Halfing	Ranger	23	Small

Orders encounters by party id.

```
SELECT * FROM encounters
ORDER BY party_id, monster_id, monster_deaths;
```

party_id ▲ 1	monster_id ▲ 2	monster_deaths ▲ 3
1	37	9
3	7	2
3	36	7
3	47	5
3	60	9
3	61	5
4	3	5
4	51	10
5	30	3
6	54	10
8	33	4
9	15	2
10	24	2
11	20	7
12	35	2
13	24	4
13	33	5
13	34	9
13	40	6
14	45	5
14	49	10
14	54	1
15	16	10
15	38	1
15	45	7

Finds all weapons with a certain damage type(Fire used for screenshot).

```
SELECT * FROM weapons
WHERE damage_type LIKE '%?%';
```

id	name	description	properties	damage_die	damage_type
22	Lucky Dagger	Glowing	Light	10	Fire
27	Flaming Longbow	Shiny	Light	8	Fire
38	Flaming Scimitar	Shiny	Reach	20	Fire

Returns how many characters there are of each race.

```
SELECT characters.race, count(*) FROM characters
GROUP BY characters.race;
```

race	count(*)
Dragonborn	433
Dwarf	460
Elf	409
Half-Elf	446
Half-Orc	422
Halfling	465
Human	460
Orc	419
Tiefling	486

Returns how many characters there are for each class.

```
SELECT characters._class, count(*) FROM characters
GROUP BY characters._class;
```

_class	count(*)
Barbarian	369
Bard	396
Cleric	409
Druid	402
Monk	434
Paladin	401
Ranger	421
Rogue	418
Sorcerer	376
Wizard	374

Gets all armor with a specified resistance(Lightning used for screenshot).

```
SELECT * FROM armor
WHERE resistance = '??';
```

id	name	description	_type	bonus	resistance
42	Aetherial Shoulder Pads	Shrouded in darkness	Heavy	+5 AC	Lightning
47	Battle Shoulder Pads	Invisible	Heavy	+5 AC	Lightning
74	Steel Boots	Surrounded by a magical aura	Light	+15 AC	Lightning

This function calculates the combined average kills of all parties.

```

DROP FUNCTION IF EXISTS GetAverageKills;
DELIMITER $$
CREATE FUNCTION GetAverageKills()
RETURNS int
BEGIN
DECLARE ret int;
SET ret = (SELECT SUM(monster_deaths) FROM encounters) / (SELECT
count(*) FROM parties);
RETURN ret;
END$$
DELIMITER ;

```

Returns all encounters where parties got above average kills.

```

SELECT GetAverageKills();
SELECT p.name, e.monster_deaths FROM encounters e
JOIN parties p ON e.party_id = p.id
WHERE e.monster_deaths > GetAverageKills();

```

name	monster_deaths
Red Rangers of The Rabid Plane	10
Blue Rogues of The Sapphire Fields	9
Crimson Sorcerers of Dracgate	9
Violet Bards of Windland	9
Yellow Rangers of Shademoor	9
Puce Bards of Blacksea	10
Green Wizards of Brightbeach	10
Aquamarine Druids of Lightfog	9
Aquamarine Rogues of Redwick	9
Violet Paladins of Beachbush	10
Mauv Clerics of The Ghost Sanctuary	9
Aquamarine Sorcerers of Highiron	9
Puce Paladins of Westerwynne	9

DELIMITER \$\$

```
CREATE FUNCTION GetPartyExp(p_id INT)
```

RETURNS INT

BEGIN

```
DECLARE sum INT DEFAULT 0;
```

```
DECLARE v_finished INT DEFAULT 0;
```

```
DECLARE vXP INT;
```

```
DECLARE vMDEATHS INT;
```

```
DECLARE xpCursor CURSOR FOR SELECT m.exp_points, e.monster_deaths
```

FROM encounters e

```
JOIN monsters m ON e.monster_id =
```

```
m.id
```

```
JOIN parties p ON p.id =
```

```
e.party_id
```

WHERE p.id = p_id;

```
DECLARE CONTINUE HANDLER FOR NOT FOUND SET v_finished = 1;
```

```
OPEN xpCursor;
```

```
WHILE v.finished = 0 DO
```

```
FETCH xpCursor INTO vXP, vMDEATHS;
```

```
SET sum = vXP * vMDEATHS + sum;
```

END WHILE;

```
CLOSE xpCursor;
```

RETURN sum;

END;

\$\$

DELIMITER ;

Ranks top 100 parties based off experience.

```
SELECT name, GetPartyExp(id) AS GetPartyExp
```

FROM parties

```
ORDER BY GetPartyExp DESC LIMIT 100;
```

name	GetPartyExp ▾ 1
Goldenrod Clerics of Foxmere	8438
Yellow Rangers of Shademoor	8242
Blue Rogues of Roseview	8177
Goldenrod Rangers of The Sapphire Fields	8137
Mauv Bards of Goldton	8120
Indigo Wizards of Bayland	7980
Maroon Bards of Goldton	7926
Pink Rangers of Griffinmead	7879
Crimson Paladins of Wildepond	7871
Orange Rangers of Elfshore	7850
Blue Sorcerers of Oldmead	7843
Maroon Rogues of Blackfield	7833
Violet Bards of Windland	7701
Teal Druids of Greenhaven	7616
Purple Rogues of Sagefield	7615
Crimson Sorcerers of Stonemill	7497
Goldenrod Rogues of Shadowmist	7460
Aquamarine Druids of Fallwynne	7363
Aquamarine Monks of Spellmarsh	7300
Khaki Monks of Ironpine	7262
Yellow Rangers of Crystalview	7158
Red Clerics of Whitehedge	7149
Indigo Wizards of Greenhill	7112
Fuscia Wizards of Marbleville	7070
Turquoise Rogues of Lochfield	6949
Turquoise Bards of Pineedge	6890

Total Number of premium members.

```
SELECT count(username) FROM customer_account WHERE payment_rate = '15';
```

count(username)

972

Returns name and kills of the party with most kills.

```
SELECT a.name, a.kills
FROM (SELECT p.name AS name, sum(e.monster_deaths) AS kills FROM
parties p
      JOIN encounters e ON e.party_id = p.id GROUP BY p.id) a
WHERE a.kills = (SELECT max(b.kills)
                FROM (SELECT sum(e.monster_deaths) AS kills FROM
```

```

parties p
        JOIN encounters e ON e.party_id = p.id GROUP BY p.id)
b);

```

name	kills
Blue Barbarians of Greyacre	49

Leaderboard of top 100 parties by monster kills

```

SELECT p.name AS name, sum(e.monster_deaths) AS kills
FROM parties p
JOIN encounters e ON e.party_id = p.id
GROUP BY p.id
ORDER BY kills DESC LIMIT 100;

```

name	kills ▾ 1
Blue Barbarians of Greyacre	49
Crimson Druids of Icebarrow	43
Puce Paladins of Westerwynne	40
Goldenrod Rangers of The Sapphire Fields	40
Yellow Paladins of Grassacre	38
Purple Clerics of Wellmead	33
Crimson Paladins of Wildepond	33
Blue Bards of Estermeadow	31
Indigo Rogues of Westerwynne	30
Green Bards of Lightfog	30
Purple Clerics of Landston	28
Yellow Monks of Greenhill	28
Red Clerics of Morcastle	28
Fuscia Wizards of Marbleville	27
Blue Barbarians of Ashness	26
Aquamarine Druids of Lightfog	26
Aquamarine Sorcerers of Highiron	25
Blue Rogues of Roseview	25
Violet Rogues of Sagehedge	24
Red Clerics of Swynton	24

List characters by class for a certain user(DWaiton used for screenshot).

```

SELECT ch._class, ch.name, ch.race, ch._size, ch._level
FROM customer_account ca

```

```
JOIN characters ch ON ch.customer_id = ca.id
WHERE ca.username = '?';
```

_class	name	race	_size	_level
Sorcerer	Rossie of Emanuel	Dragonborn	Medium	9

List armor with a certain bonus(+10 AC used for screenshot).

```
SELECT * FROM armor WHERE bonus = '?';
```

41	Aetherial Circlet	Invisible	Medium	+10 AC	Normal
48	Battle Tunic	Somebody's family heirloom	Heavy	+10 AC	Fire
49	Battle Vest	Ornate and gem encrusted	Light	+10 AC	Normal
52	Chain Shoulder Pads	Tattered	Medium	+10 AC	Fire
53	Chain Tunic	Invisible	Light	+10 AC	Normal
54	Chain Vest	Harder than stone	Medium	+10 AC	Normal
55	Improvised Boots	Somebody's family heirloom	Heavy	+10 AC	Fire
56	Improvised Circlet	Harder than stone	Light	+10 AC	Normal
63	Leather Shoulder Pads	Fits like a glove	Medium	+10 AC	Normal
65	Leather Vest	Invisible	Heavy	+10 AC	Ice
66	Leather Gloves	Very Sharp	Heavy	+10 AC	Normal
68	Plated Leather Helmet	Surrounded by a magical aura	Medium	+10 AC	Normal

List weapons above a given damage die(10 used for screenshot).

```
SELECT * FROM weapons
WHERE damage_die > ?;
```

id	name	description	properties	damage_die	damage_type
30	Freezing Mace	Talkative	Finesse	20	Ice
31	Mace	Ancient	Versatile	12	Normal
33	Shortbow	Pointy	Versatile	20	Normal
38	Flaming Scimitar	Shiny	Reach	20	Fire