Cats

**Query 1.**

no index:

"Limit (cost=42897.11..42897.14 rows=10 width=4) (actual time=1002.993..1002.998 rows=10 loops=1)"

**Query 2.**

without indexing:

"Limit (cost=107391.36..107391.39 rows=10 width=4) (actual time=1304.902..1304.902 rows=0 loops=1)"

**CREATE INDEX usr\_idIdx ON cats.friend(user\_id);**

with index

"Limit (cost=73619.53..73619.56 rows=10 width=4) (actual time=1111.249..1111.249 rows=0 loops=1)"

**Index helps!**

**Query 3.**

without indexing:

"Limit (cost=284830.76..284830.79 rows=10 width=4) (actual time=3560.389..3560.389 rows=0 loops=1)"

**CREATE INDEX usr\_idIdx ON cats.friend(user\_id);**

**"Limit (cost=152067.65..152067.68 rows=10 width=4) (actual time=2223.814..2223.814 rows=0 loops=1)"**

**Index helps!**

**Query 4.**

With no index:

"Limit (cost=214655.54..214655.57 rows=10 width=4) (actual time=186.641..186.641 rows=0 loops=1)"

**CREATE INDEX usr\_idIdx ON cats.”like"(user\_id);**

**"Limit (cost=186603.76..186603.79 rows=10 width=4) (actual time=0.028..0.028 rows=0 loops=1)"**

**Index helps!**

**Query 5.**

no index:

"Limit (cost=256169.77..256169.80 rows=10 width=12) (actual time=185.610..185.610 rows=0 loops=1)"

**CREATE INDEX usr\_idIdx ON cats."like"(user\_id);**

**"Limit (cost=228117.99..228118.02 rows=10 width=12) (actual time=0.036..0.036 rows=0 loops=1)"**

**index helps!**