

WordNet (basic)

word lookup

synsets "option" is member of

```
SELECT word,posid,sensenum,synsetid,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE word = 'option' ORDER BY posid,sensenum
```

word	posid	sensenum	synsetid	SUBSTRING(definition FROM 1 FOR 64)
option	n	1	106263	the right to buy or sell property at an agreed price; the right
option	n	2	67341	one of a number of things from which only one can be chosen
option	n	3	3401	the act of choosing or selecting

synsets "want" is member of

```
SELECT word,posid,sensenum,synsetid,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE word = 'want' ORDER BY posid,sensenum
```

word	posid	sensenum	synsetid	SUBSTRING(definition FROM 1 FOR 64)
want	n	1	113208	a state of extreme poverty
want	n	2	112981	the state of needing something that is absent or unavailable
want	n	3	85916	anything that is necessary but lacking
want	n	4	76130	a specific feeling of desire
want	v	1	32089	feel or have a desire for; want strongly
want	v	2	21985	have need of
want	v	3	24005	hunt or look for; want for a particular reason
want	v	4	14649	wish or demand the presence of
want	v	5	45373	be without, lack; be deficient in

synsets verb "like" is member of

```
SELECT word,posid,sensenum,synsetid,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE word = 'like' AND posid = 'v' ORDER BY posid,sensenum
```

word	posid	sensenum	synsetid	SUBSTRING(definition FROM 1 FOR 64)
like	v	1	32082	to hope, to desire or to prefer to have something, or to do some
like	v	2	31296	find enjoyable or agreeable
like	v	3	31291	be fond of
like	v	4	14393	feel about or towards; consider, evaluate, or regard
like	v	5	32099	want to have

starting with "fear"

```
SELECT word,posid,sensenum,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE
```

word LIKE 'fear%' ORDER BY word,posid,sensenum

word	posid	sensenum	SUBSTRING(definition FROM 1 FOR 64)
fear	n	1	an emotion experienced in anticipation of some specific pain or
fear	n	2	an anxious feeling
fear	n	3	a feeling of profound respect for someone or something
fear	v	1	be afraid or feel anxious or apprehensive about a possible or pr
fear	v	2	be afraid or scared of; be frightened of
fear	v	3	be sorry; used to introduce an unpleasant statement
fear	v	4	be uneasy or apprehensive about
fear	v	5	regard with feelings of respect and reverence; consider hallowed
fearful	a	1	lacking courage; ignobly timid and faint-hearted
fearful	s	2	experiencing or showing fear
fearful	s	3	causing fear or dread or terror
fearful	s	4	extremely distressing
fearful	s	5	timid by nature or revealing timidity
fearfully	r	1	in fear
fearfully	r	2	in an alarming manner
fearfulness	n	1	an emotion experienced in anticipation of some specific pain or
fearfulness	n	2	the trait of being afraid
fearless	a	1	oblivious of dangers or perils or calmly resolute in facing them
fearless	s	2	invulnerable to fear or intimidation
fearlessly	r	1	without fear
fearlessness	n	1	feeling no fear
fearlessness	n	2	the trait of feeling no fear
fearsome	s	1	causing fear or dread or terror
fearsomely	r	1	in a fearsome manner

ending with "wards"

SELECT word,posid,sensenum,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE word LIKE '%wards' ORDER BY word,posid,sensenum

word	posid	sensenum	SUBSTRING(definition FROM 1 FOR 64)
afterwards	r	1	happening at a time subsequent to a reference time
backwards	r	1	at or to or toward the back or rear
backwards	r	2	in a manner or order or direction the reverse of normal
bend over backwards	v	1	try very hard to please someone
downwards	r	1	spatially or metaphorically from a higher to a lower level or po
eastwards	r	1	toward the east
edwards	n	1	American theologian whose sermons and writings stimulated a peri
fall over backwards	v	1	try very hard to please someone
forwards	r	1	at or to or toward the front; forward
forwards	r	2	in a forward direction
frontwards	r	1	at or to or toward the front; forward

heavenwards	r	1	toward heaven
homewards	r	1	toward home
inwards	r	1	to or toward the inside of
inwards	r	2	toward the center or interior
jonathan edwards	n	1	American theologian whose sermons and writings stimulated a peri
landwards	r	1	toward land
northwards	r	1	in a northern direction
onwards	r	1	in a forward direction
outwards	r	1	toward the outside
rearwards	r	1	at or to or toward the back or rear
seawards	r	1	in the direction of the sea
sidewards	r	1	toward one side
skywards	r	1	toward the sky
soar upwards	v	1	rise rapidly
southwards	r	1	toward the south
spacewards	r	1	towards outer space
upwards	r	1	spatially or metaphorically from a lower to a higher position
upwards	r	2	to a later time
westwards	r	1	toward the west

containing "ipod"

SELECT word,posid,sensenum,SUBSTRING(definition FROM 1 FOR 64) FROM words LEFT JOIN senses USING (wordid) LEFT JOIN synsets USING (synsetid) WHERE word LIKE '%ipod%' ORDER BY word,posid,sensenum

word	posid	sensenum	SUBSTRING(definition FROM 1 FOR 64)
amphipod	n	1	a kind of malacostracan crustacean
amphipoda	n	1	small flat-bodied semiterrestrial crustaceans: whale lice; sand-
antipodal	n	1	the relation of opposition along a diameter
antipodal	a	1	relating to the antipodes or situated at opposite sides of the e
antipodal opposition	n	1	the relation of opposition along a diameter
antipode	n	1	direct opposite
antipodean	a	1	relating to the antipodes or situated at opposite sides of the e
antipodes	n	1	any two places or regions on diametrically opposite sides of the
camera tripod	n	1	a tripod used to support a camera
dipodidae	n	1	Old World jerboas
dipodomys	n	1	kangaroo rats
dipodomys ordi	n	1	most widely distributed kangaroo rat: plains and mountain areas
dipodomys phillipsii	n	1	any of various leaping rodents of desert regions of North Americ
family dipodidae	n	1	Old World jerboas
genus dipodomys	n	1	kangaroo rats
genus microdipodops	n	1	kangaroo mice
hemipode	n	1	small quail-like terrestrial bird of southern Eurasia and northe
ipod	n	1	(trademark) a pocket-sized device used to play music files
microdipodops	n	1	kangaroo mice

order amphipoda	n	1	small flat-bodied semiterrestrial crustaceans: whale lice; sand-
tripod	n	1	a three-legged rack used for support
video ipod	n	1	(trademark) an iPod that can also play video files

synset members

synset members

```
SELECT synsetid,posid,GROUP_CONCAT(word),SUBSTRING(definition FROM 1 FOR 60) FROM synsets LEFT JOIN senses USING (synsetid) LEFT JOIN words AS w USING (wordid) WHERE synsetid IN (1,2,3,4,5) GROUP BY synsetid
```

synsetid	posid	GROUP_CONCAT(word)	SUBSTRING(definition FROM 1 FOR 60)
1	a	able	(usually followed by `to') having the necessary means or ski
2	n	entity	that which is perceived or known or inferred to have its own
3	r	a capella,a cappella	without musical accompaniment
4	v	breathe,respire,suspire,take a breath	draw air into, and expel out of, the lungs
5	r	a.d.,ad,anno domini	in the Christian era; used before dates after the supposed y

members of synsets "want" belongs to

```
SELECT y.synsetid,y.posid,GROUP_CONCAT(sw2.word),SUBSTRING(definition FROM 1 FOR 60) FROM words AS sw LEFT JOIN senses AS s USING (wordid) LEFT JOIN synsets AS y USING (synsetid) LEFT JOIN senses AS s2 ON (y.synsetid = s2.synsetid) LEFT JOIN words AS sw2 ON (sw2.wordid = s2.wordid) WHERE sw.word = 'want' GROUP BY synsetid
```

synsetid	posid	GROUP_CONCAT(sw2.word)	SUBSTRING(definition FROM 1 FOR 60)
14649	v	want	wish or demand the presence of
21985	v	want,require,need	have need of
24005	v	want	hunt or look for; want for a particular reason
32089	v	want,desire	feel or have a desire for; want strongly
45373	v	want	be without, lack; be deficient in
76130	n	wish,wishing,want	a specific feeling of desire
85916	n	want,need	anything that is necessary but lacking
112981	n	deficiency,lack,want	the state of needing something that is absent or unavailable
113208	n	want,privation,neediness,deprivation	a state of extreme poverty

synonyms

synonyms for "want"

```
SELECT y.synsetid,y.posid,GROUP_CONCAT(sw2.word),SUBSTRING(definition FROM 1 FOR 60) FROM words AS sw LEFT JOIN senses AS s USING (wordid) LEFT JOIN synsets AS y USING (synsetid) LEFT JOIN senses AS s2 ON (y.synsetid = s2.synsetid) LEFT JOIN words AS sw2 ON (sw2.wordid = s2.wordid) WHERE sw.word = 'want' AND sw.wordid <> sw2.wordid GROUP BY synsetid
```

synsetid	posid	GROUP_CONCAT(sw2.word)	SUBSTRING(definition FROM 1 FOR 60)
21985	v	need,require	have need of
32089	v	desire	feel or have a desire for; want strongly
76130	n	wish,wishing	a specific feeling of desire

85916	n	need	anything that is necessary but lacking
112981	n	deficiency,lack	the state of needing something that is absent or unavailable
113208	n	deprivation,neediness,privation	a state of extreme poverty

semantical relations

get words semantically-related to "horse"

```

SELECT s.sensenum,sw.word,relation,dw.word AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM semrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'horse' ORDER BY relationid,s.sensenum

```

sensenum	word	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	horse	hypernym	supply	provide with a horse or horses
1	horse	hypernym	provide	provide with a horse or horses
1	horse	hypernym	ply	provide with a horse or horses
1	horse	hypernym	equid	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hypernym	equine	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hypernym	cater	provide with a horse or horses
2	horse	hypernym	gymnastic apparatus	a padded gymnastic apparatus on legs
2	horse	hypernym	exerciser	a padded gymnastic apparatus on legs
3	horse	hypernym	troops	troops trained to fight on horseback
3	horse	hypernym	soldiery	troops trained to fight on horseback
3	horse	hypernym	military personnel	troops trained to fight on horseback
4	horse	hypernym	framework	a framework for holding wood that is being sawed
4	horse	hypernym	frame	a framework for holding wood that is being sawed
5	horse	hypernym	chess piece	a chessman shaped to resemble the head of a horse; can move
5	horse	hypernym	chessman	a chessman shaped to resemble the head of a horse; can move
1	horse	hyponym	workhorse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	post-horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	poster	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	post horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	racehorse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	harness horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stalking-horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	steeplechaser	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	high stepper	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pacer	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stepper	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	chestnut	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	liver chestnut	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	bay	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	sorrel	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	palomino	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pinto	solid-hoofed herbivorous quadruped domesticated since prehis

1	horse	hyponym	remount	provide with a horse or horses
1	horse	hyponym	bangtail	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	dawn horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	eohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	mesohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	protohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	male horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	gee-gee	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stablemate	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stable companion	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	roan	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	female horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	mare	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	mount	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	saddle horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	polo pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	riding horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	race horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	wild horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	hack	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	hack	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	jade	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	plug	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	nag	solid-hoofed herbivorous quadruped domesticated since prehis
2	horse	hyponym	side horse	a padded gymnastic apparatus on legs
2	horse	hyponym	pommel horse	a padded gymnastic apparatus on legs
2	horse	hyponym	buck	a padded gymnastic apparatus on legs
2	horse	hyponym	long horse	a padded gymnastic apparatus on legs
2	horse	hyponym	vaulting horse	a padded gymnastic apparatus on legs
4	horse	hyponym	trestle	a framework for holding wood that is being sawed
1	horse	part meronym	horseback	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	horse's foot	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	horseflesh	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	encolure	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	withers	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	gaskin	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	poll	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	part meronym	horsemeat	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	member holonym	genus equus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	member holonym	equus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	member meronym	foal	solid-hoofed herbivorous quadruped domesticated since prehis
3	horse	member meronym	cavalryman	troops trained to fight on horseback

3	horse	member meronym	trooper	troops trained to fight on horseback
3	horse	domain topic	military machine	troops trained to fight on horseback
3	horse	domain topic	war machine	troops trained to fight on horseback
3	horse	domain topic	military	troops trained to fight on horseback
3	horse	domain topic	armed services	troops trained to fight on horseback
3	horse	domain topic	armed forces	troops trained to fight on horseback
5	horse	domain topic	chess	a chessman shaped to resemble the head of a horse; can move
5	horse	domain topic	chess game	a chessman shaped to resemble the head of a horse; can move

get hypernyms for "horse"

```
SELECT s.sensenum,sw.word,relation,dw.word AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM semrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'horse' AND relationid=1 AND sy.posid='n' ORDER BY relationid,s.sensenum
```

sensenum	word	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	horse	hypernym	equid	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hypernym	equine	solid-hoofed herbivorous quadruped domesticated since prehis
2	horse	hypernym	exerciser	a padded gymnastic apparatus on legs
2	horse	hypernym	gymnastic apparatus	a padded gymnastic apparatus on legs
3	horse	hypernym	military personnel	troops trained to fight on horseback
3	horse	hypernym	soldiery	troops trained to fight on horseback
3	horse	hypernym	troops	troops trained to fight on horseback
4	horse	hypernym	frame	a framework for holding wood that is being sawed
4	horse	hypernym	framework	a framework for holding wood that is being sawed
5	horse	hypernym	chess piece	a chessman shaped to resemble the head of a horse; can move
5	horse	hypernym	chessman	a chessman shaped to resemble the head of a horse; can move

get hyponyms for "horse"

```
SELECT s.sensenum,sw.word,relation,dw.word AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM semrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'horse' AND relationid=2 AND sy.posid='n' ORDER BY relationid,s.sensenum
```

sensenum	word	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	horse	hyponym	roan	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stable companion	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stablemate	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	gee-gee	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	dawn horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	eohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	mesohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	protohippus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	male horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	female horse	solid-hoofed herbivorous quadruped domesticated since prehis

1	horse	hyponym	mare	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	mount	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	riding horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	saddle horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	polo pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	wild horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	hack	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	hack	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	jade	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	nag	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	plug	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pony	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	bangtail	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	race horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	racehorse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	steeplechaser	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stalking-horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	harness horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	workhorse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	post-horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	post horse	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	poster	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pacer	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	high stepper	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	stepper	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	chestnut	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	liver chestnut	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	bay	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	sorrel	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	palomino	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	hyponym	pinto	solid-hoofed herbivorous quadruped domesticated since prehis
2	horse	hyponym	pommel horse	a padded gymnastic apparatus on legs
2	horse	hyponym	side horse	a padded gymnastic apparatus on legs
2	horse	hyponym	buck	a padded gymnastic apparatus on legs
2	horse	hyponym	long horse	a padded gymnastic apparatus on legs
2	horse	hyponym	vaulting horse	a padded gymnastic apparatus on legs
4	horse	hyponym	trestle	a framework for holding wood that is being sawed

get words semantically-related to "horse" grouped by type

```
SELECT s.sensenum,sw.word,relation,GROUP_CONCAT(dw.word) AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM semrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'horse' GROUP BY relationid,
```



relation, s.sensenum, sw.word, definition ORDER BY relationid,s.sensenum				
sensenum	word	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	horse	hypernym	supply,provide,ply,cater	provide with a horse or horses
1	horse	hypernym	equid,equine	solid-hoofed herbivorous quadruped domesticated since prehis
2	horse	hypernym	gymnastic apparatus,exerciser	a padded gymnastic apparatus on legs
3	horse	hypernym	troops,soldiery,military personnel	troops trained to fight on horseback
4	horse	hypernym	framework,frame	a framework for holding wood that is being sawed
5	horse	hypernym	chess piece,chessman	a chessman shaped to resemble the head of a horse; can move
1	horse	hyponym	remount	provide with a horse or horses
1	horse	hyponym	pacer,racehorse,steeplechaser,stalking-horse,harness horse,workhorse,post-horse,post horse,poster,high stepper,stepper,chestnut,liver chestnut,bay,sorrel,palomino,pinto,bangtail,dawn horse,eohippus,mesohippus,protohippus,male horse,gee-gee,stablemate,stable companion,roan,female horse,mare,mount,saddle horse,pony,polo pony,riding horse,race horse,wild horse,hack,hack,pony,jade,plug,nag	solid-hoofed herbivorous quadruped domesticated since prehis
2	horse	hyponym	side horse,pommel horse,buck,long horse,vaulting horse	a padded gymnastic apparatus on legs
4	horse	hyponym	trestle	a framework for holding wood that is being sawed
1	horse	part meronym	horseback,horse's foot,horseflesh,encolure,withers,gaskin,poll,horsemeat	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	member holonym	genus equus,equus	solid-hoofed herbivorous quadruped domesticated since prehis
1	horse	member meronym	foal	solid-hoofed herbivorous quadruped domesticated since prehis
3	horse	member meronym	cavalryman,trooper	troops trained to fight on horseback
3	horse	domain topic	military machine,war machine,military,armed services,armed forces	troops trained to fight on horseback
5	horse	domain topic	chess,chess game	a chessman shaped to resemble the head of a horse; can move

lexical relations

get words lexically-related to "black"

SELECT s.sensenum,sw.word,sy.posid,relation,dw.word AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM lexrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid AND l.word1id = s.wordid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid AND l.word2id = d.wordid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'black' ORDER BY relationid,sy.posid,s.sensenum

sensenum	word	posid	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	black	n	antonym	white	the quality or state of the achromatic color of least lightn
3	black	n	antonym	white	(board games) the darker pieces
1	black	a	antonym	white	being of the achromatic color of maximum darkness; having li
2	black	a	antonym	white	of or belonging to a racial group especially of sub-Saharan
1	black	n	derivation	black	the quality or state of the achromatic color of least lightn
1	black	v	derivation	black	make or become black
1	black	a	derivation	blackness	being of the achromatic color of maximum darkness; having li
8	black	s	derivation	blackness	extremely dark
13	black	s	derivation	blackness	(of coffee) without cream or sugar
14	black	s	derivation	blackness	soiled with dirt or soot

get antonym to adjective "black"

SELECT s.sensenum,sw.word,sy.posid,relation,dw.word AS relatedlemma,SUBSTRING(definition FROM 1 FOR 60) FROM lexrelations AS l LEFT JOIN senses AS s ON (l.synset1id = s.synsetid AND l.word1id = s.wordid) LEFT JOIN words AS sw ON s.wordid = sw.wordid LEFT JOIN synsets AS sy ON (l.synset1id = sy.synsetid) LEFT JOIN senses AS d ON (l.synset2id = d.synsetid AND l.word2id = d.wordid) LEFT JOIN words AS dw ON d.wordid = dw.wordid LEFT JOIN relations USING (relationid) WHERE sw.word = 'black' AND relationid=30 AND sy.posid='a' ORDER BY relationid,s.sensenum

sensenum	word	posid	relation	relatedlemma	SUBSTRING(definition FROM 1 FOR 60)
1	black	a	antonym	white	being of the achromatic color of maximum darkness; having li
2	black	a	antonym	white	of or belonging to a racial group especially of sub-Saharan