NELL Queries

S1. The query reports on the sport athletes in teams play.

```sql
SELECT distinct a.entity as athlete, b.value as sport
FROM NELL  as a, NELL  as b
WHERE a.relation = 'athleteplaysforteam'
      and b.relation = 'teamplayssport'
      and a.value = b.entity
```

Sample output

athlete	sport
adam_dunn	baseball

S3. The query reports on equipment used in sports by teams with athletes in this teams.

```sql
SELECT distinct b.entity as team, c.entity as equipment
FROM NELL  as a, NELL as b, NELL  as c
WHERE  a.relation = 'athleteplaysforteam'
       and b.relation = 'teamplayssport'
       and c.relation = 'equipmentusedbysport'
       and a.value = b.entity
       and b.value = c.value
```

Sample output

team	equipment
arizona	balls

MS4. The query reports what are the teams, sport and league an athlete play in.

```sql
SELECT distinct a.value as team, b.value as sport, c.value as league
FROM NELL  as a, NELL  as b,  NELL  as c
WHERE  a.relation = 'athleteplaysforteam'
       and b.relation = 'athleteplayssport'
       and c.relation = 'athleteplaysinleague'
       and a.entity = b.entity
       and a.entity=c.entity
```

Sample output

team	sport	league
boston_celtics	basketball	nba

S2. The query report on which sector economic company acquired another sector of economic company.

```sql
SELECT distinct a.value as a_sector, b.value as b_sector
FROM NELL  as a, NELL  as b, NELL  as c
WHERE  a.relation = 'companyeconomicsector'
       and b.relation = 'companyeconomicsector'
       and a.entity = c.entity
       and b.entity = c.value
       and c.relation = 'acquired'
```

Sample output

a_sector	b_sector
advertising	entertainment

MS1. The query reports what are the teams, sport and league an athlete play in, and defined as sport or hobby.

```sql
SELECT distinct a.value as team, b.value as sport, c.value as league
FROM NELL as a, NELL  as b,  NELL  as c, NELL  as d
WHERE  a.relation = 'athleteplaysforteam'
       and b.relation = 'athleteplayssport'
       and c.relation = 'athleteplaysinleague'
       and a.entity = b.entity
       and a.entity=c.entity
       and d.entity = b.value
       and d.relation = 'generalizations'
       and (d.value LIKE  '%sport%' or d.value LIKE '%hobby%')
```

Sample output

team	sport	league
boston_dodgers	baseball	mlb

MS3. The query reports on teams in sport fields with equipment and the sport definition.

```sql
SELECT distinct b.entity as team, c.entity as equipment, d.value as general_def
FROM NELL as a, NELL as b, NELL  as c, NELL  as d
WHERE  a.relation = 'athleteplaysforteam'
       and b.relation = 'teamplayssport'
       and c.relation = 'equipmentusedbysport'
       and a.value = b.entity
       and b.value = c.value
       and d.entity = c.entity
       and d.relation = 'generalizations'
```

Sample output

team	equipment	general
bears	football	hobby

S4. The query reports on athletes who plays sport in a team and the definition of the team is team.

```
SELECT distinct  a.entity as athlete, b.value as sport
FROM NELL  as a, NELL  as b, NELL  as c
WHERE  a.relation = 'athleteplaysforteam'
       and b.relation = 'teamplayssport'
       and a.value = b.entity
       and c.entity = a.value
       and c.relation = 'generalizations'
       and c.value like '%team%'
```

Sample output

athlete	sport
matt_ryan	football

MS4. The query reports on sectors of economic companies which the first company acquired the second company and the sector definition is type of "sector" or "field"

```
SELECT distinct  a.value as a_sector, b.value as b_sector
FROM NELL  as a, NELL  as b, NELL  as c, NELL  as d
WHERE  a.relation = 'companyeconomicsector'
and b.relation = 'companyeconomicsector'
and a.entity = c.entity
and b.entity = c.value
and c.relation = 'acquired'
and d.entity = a.value
and d.relation = 'generalizations'
and (d.value like '%sector' or d.value like %field%')
```

Sample output

a_sector	b_sector
banking	insurance

Q13. **An Example Query** – The query report on choaches with one name of teams with stadium.

```
SELECT distinct  a.entity as a_coach, b.value as b_stadium
FROM NELL  as a, NELL  as b
WHERE  a.relation = 'coachesteam'
and a.value = b.entity
and b.relation = 'teamhomestadium'
and b.value like '%stadium'
and a.entity not like '%\_%'
```

Sample output

a_coach	b_stadium
jauron	ralph_wilson_stadium