

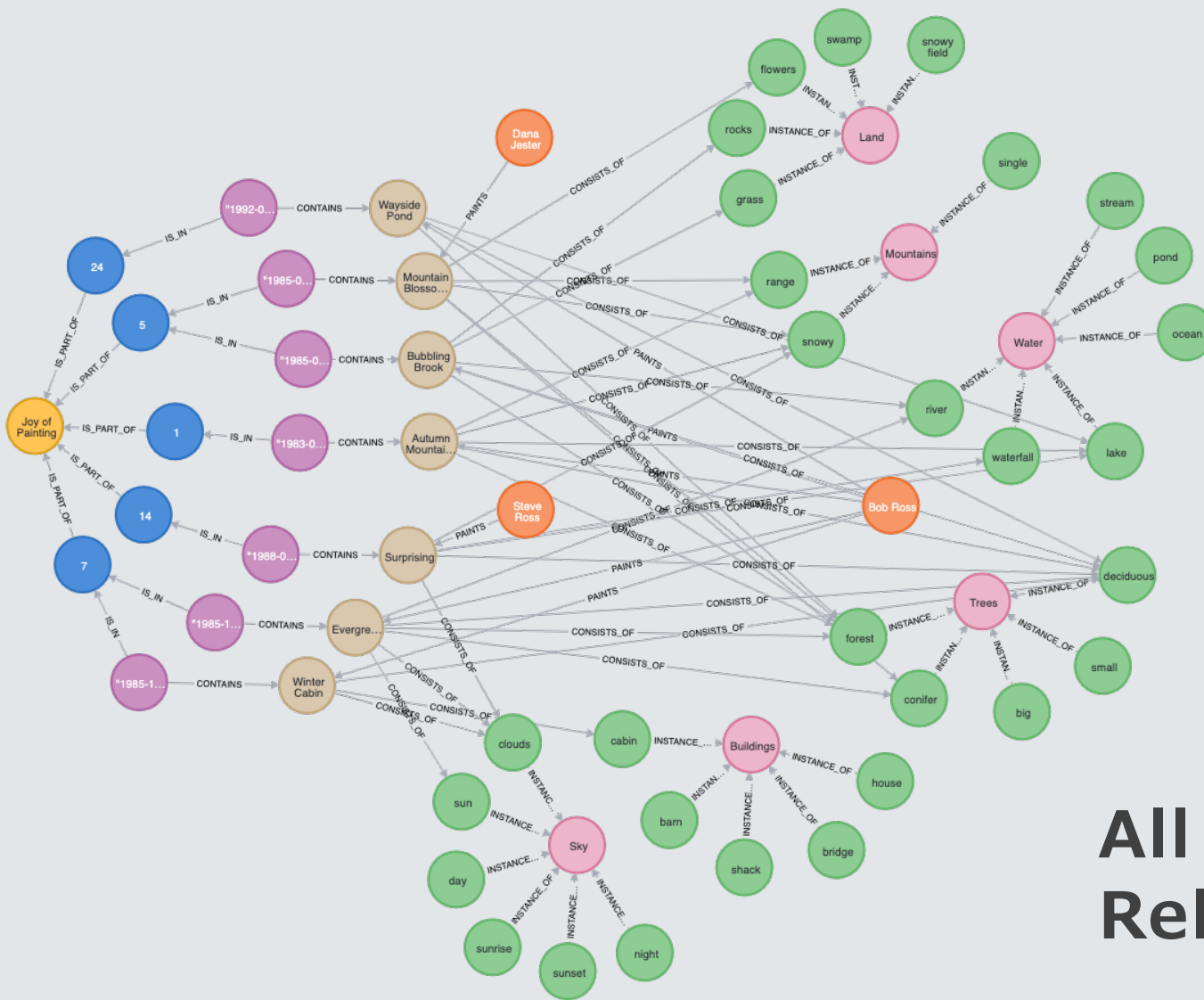
Joy of Painting

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HW 07
CMPINF 2110
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Joy of Painting Graph Data Model Schema





All Nodes and Relationships

Unique Episode Air Date Months

```
1 MATCH (episode:Episodes)
2 RETURN DISTINCT episode.airDate.month
3 ORDER BY episode.airDate.month;
```



Table



Text



Code

	episode.airDate.month
1	1
2	2
3	3
4	10

Unique Episode Air Date Months Each Year

```
1 MATCH (episode:Episodes)
2 RETURN DISTINCT episode.airDate.year, episode.airDate.month
3 ORDER BY episode.airDate.year, episode.airDate.month;
```

	episode.airDate.year	episode.airDate.month
1	1983	2
2	1985	1
3	1985	2
4	1985	10
5	1988	3
6	1992	1

```
1 MATCH (episode:Episodes)--(painting:Paintings)--(feature:Features)--
   (family:Families {name:'Water'})
2 RETURN *;
```



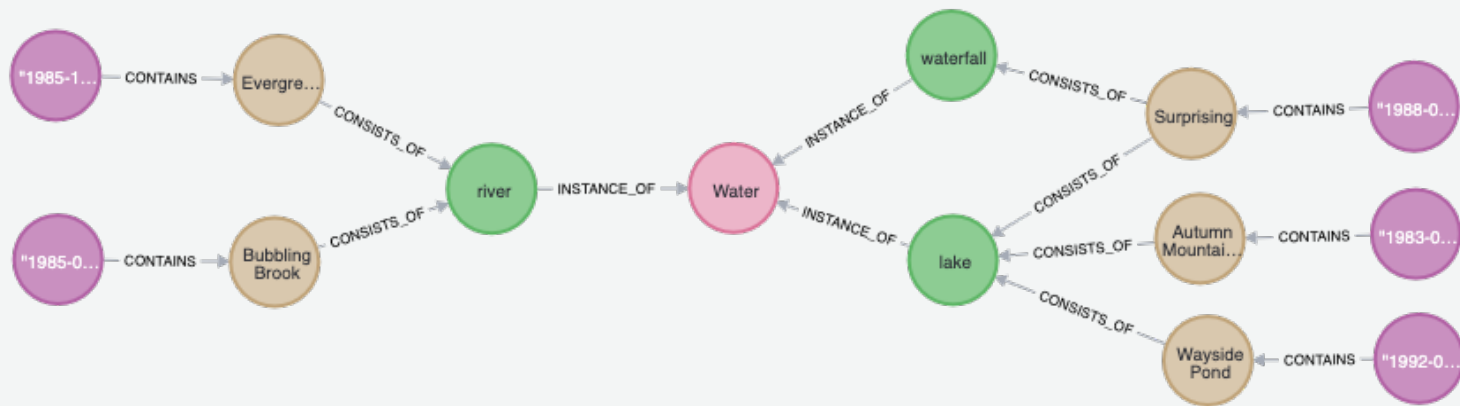
*(14)

Episodes(5)

Families(1)

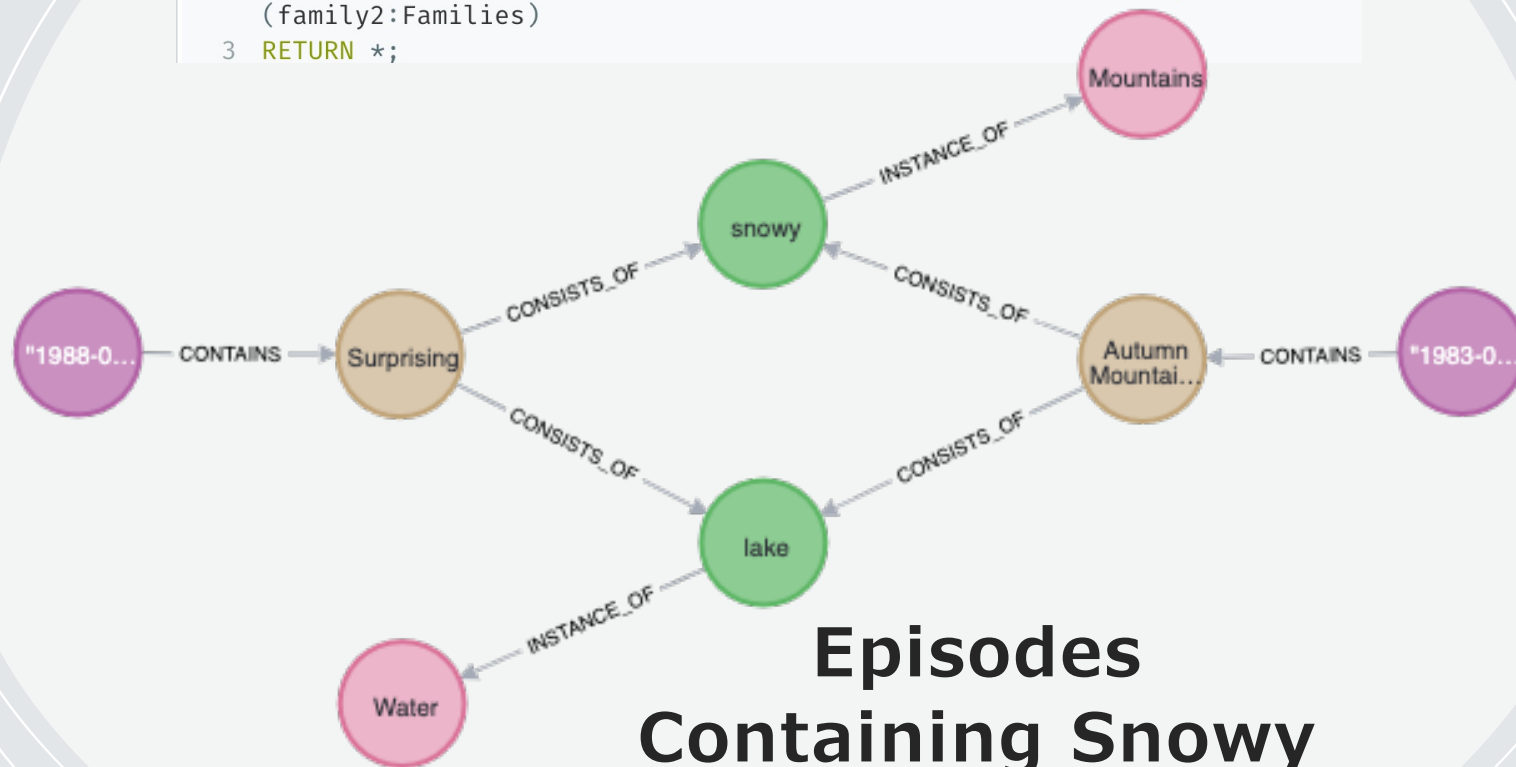
Features(3)

Paintings(5)



Episodes Containing Features from the Water Feature Family

```
1 MATCH (episode:Episodes)--(painting:Paintings)--(feature1:Features
   {name:'lake'})--(family1:Families)
2 MATCH (episode)--(painting)--(feature2:Features {name:'snowy'})--
   (family2:Families)
3 RETURN *;
```



Episodes Containing Snowy Mountain and Lake