a.

SQL

Data Representation:

```
lat,long
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
43.2,42.1
```

i. Small DataBases < 2 Giga
ii. More human time maintaining and modifying Data schema as data changes
iii. Full text, images, audio in external files
iv. Search is most powerful in numerical data
v. Full text search is nearly impossible

b.

NoSQL

Data Representation:

```
[{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"},
{"latitude":"43.2","longitude":"42.1"}]
```

i. Huge DataBases > 1Tera
ii. No human time maintaining and modifying Data Schema as data changes
iii. Full text, images, audio in the database
iv. Search is equally powerful in numerical and text data
v. Full text search is possible