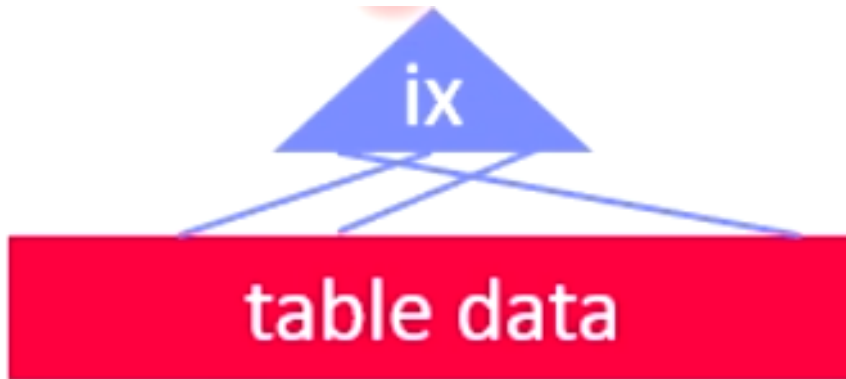


- creating secondary (nonclustered) index possible
  - clustered ==> tuples sorted by index
  - nonclustered ==> sorted attribute with tuple references?

```
CREATE INDEX ixStudLname
ON Students USING btree
(Lname ASC NULLS FIRST);
```



- can specify uniqueness, order and indexing method
  - btree
  - hash
  - gist
  - ...
- increase read performance
- slow down write performance
- primary keys (unique attributes) usually always create indexes
  - verifying uniqueness would be inefficient otherwise

[[SQL]]