Problem 2

(v) For each query in Problems (i) through (iv), create useful indexes or explain why there are none.

Answer:
For each query in Problems (i) through (iv) None of the indexes can be created because Matches.hscore and matches.vscore cannot be indexed since each values of hscore are compared with each values of vscore for less than or greater than or equality checks. Therefore sequential scan is preferred over index scan.

Teams.name, matches.hteam and matches.vteam are indexed by default since they are primary keys