

Railway Database schema

- Trainhalts(id, seqno, stcode, timein, timeout)
- Track(stcode1, stcode2, distance)
- Station(stcode, name)
- Train(id, name)

Write the following queries:

1. Find pairs of stations (station codes) that have a track (direct connection) with distance less than 20Kms between them.
2. Find pairs of stations (station codes) that have one-hop connectivity (single station in between) with distance less than 100Kms between them.
3. Find the IDs of all the trains which have a stop at THANE
4. Find the IDs of all the trains which DO NOT stop at Dadar.
5. Find all the train names that either start at Dadar or Kurla
6. Find the train names that have a stop at both Panvel and Kharghar in their route.
7. List those train names that have a stop at Dadar but not at Andheri.
8. Find the names of all trains that start at MUMBAI.
9. ~~List all the stations in order of visit by the train 'CST-AMR-LOCAL'.~~
10. Find the name of the trains which have stop at Thane, before the 6th station in the route of the train.