Question 1: SQL

1. Schemas which break BCNF: ____

2.
   1. Total size of the schema: __________________
   2. Server with the largest traffic size: __________
      Query:

   3. Number of pairs of users with common interests: __________
      Query:

3.
   1. Top five users by simultaneous requests:
      Query:
Top five users by total traffic:

Query:

2. Query for the number of distinct users and total bandwidth requested:

3. The server with the highest number of distinct users: _________
   Query:

4.
   1. Total traffic for user Smith: ______
      Query:

   Time it took to execute query: ______
   2. Index statement:

   Time it took to execute query: ______
Q2: KD-trees

1. List your changes at the end of the document.
2. nearest neighbor to point of coordinates (0.1,0.1): _____
3. all the points within euclidean distance 10 of the point (0.2,0.5): ______