Blood Bank

Dynamic Queries

1. For a particular disease (this can be selected arbitrarily from the disease table), is it more recurrent in blood recipients or blood donors?
2. In a given time period (the start and end date can be selected arbitrarily), which donors donated samples of a blood group that was requested the most during that time period?
3. In a given time period (the start and end date can be selected arbitrarily), for which blood groups were more samples collected from the blood drive than those that were donated at the blood bank?
4. For a given blood group and gender (both of these can be selected arbitrarily), show names of all the donors.
5. For a particular blood bank (the Id can be selected arbitrarily), which blood groups have the most and least number of donors registered.

Static Queries

6. List all acceptors who received at least two blood samples from the same donor.
7. From amongst the acceptors who have at least one disease and received at most one sample of blood, list all acceptors who have made the most number of requests.
8. Individuals (acceptors and donors) with which blood group have the most number of diseases. (you have to mention the blood group)
9. Which blood groups (if any), have shown at least a 10% decrease in the number of donations received from blood drives (compare the recent blood drive with the one before it).
10. What is the difference (if any) between the average age of regular donors and those that donate through blood drives? (also mention what the average ages are)