Lab Assignments

1. Get the top 3 employees with the highest salaries, but skip the highest-paid one
2. Rank employees within each department based on their total hours worked:
3. Get employees ranked between 6th and 10th in salary (Skipping the top 5)
4. Rank projects by budget, and fetch projects ranked 3rd to 5th
5. Get the 3rd most recent attendance record
6. Create a  clustered index on Employee table (EmpNo column).
7. can it be created yes or no and why?
8. If not, create new table, and try to create cluster index on the ID column of it.
9. Can you create a clustered index on a column that isn’t a primary key?
10. Does SQL server create a clustered index on the primary kery as default?
11. Can you change it and make it as a non-clustered index and create a clustered index on other column?
12. Create non-clustered index on name column in employee table.
13. What's an index? And what's its advantages and disadvantages? Why we use it?
14. What's the difference between clustered and non-clustered index?
15. Create a new table and don’t’ use Identity on the ID column, and use sequence to insert values on ID column..
16. Insert 3 records in the table using the sequence.
17. Delete the second row of the table.
18. Insert 2 other records using the sequnce.
19. Can you insert another record without using the sequence? Try it! yes
20. Can you do the same if it was an identity column?
21. Can you edit the value if the ID column in any of inserted records? Try it! Yes
22. Can you do the same if it was an identity column?
23. Can you use the same sequence to insert in another table?
24. If yes, do you think that the seque10nce will start from its initial value in the new table and insert the same IDs that were inserted in the old table?
25. How to skip some values from the sequence not to be inserted in the tabel? Try it.
26. Can you do the same with Identity column?
27. What’re the differences between Identity column and Sequence?