Enterprise Java Lab Questions

1. Write a JDBC program to Accept Rno, sname and marks in 3 subjects .. Calculate total, average and Grade and add the record into the database. Finally display all the records. Use Prepared statement.
2. Write method overriding program for calculating the salary of different types of employees in a bank class.
3. Write a program to Show the multilevel and hierarchical inheritance for a student class.
4. Write a JDBC program to manage employee database. Use the callable statement to update and delete the record of employee database.
5. Write a program to calculate the area of any three shapes using the concept of dynamic method dispatch.
6. Write a Java program to perform update operations on two lists using list interface methods.
7. Create class Student with data elements studno, sname, marks1, marks2, marks3, total, percentage. Create method getStudent() which will accept studno, sname, marka1, marks2, marks3. Have calculate() method which will calculate total and percentage. Have dispStudent() which will display the student details. In the client program create an object of class Student and accept details for it. Send it to a server program where you calculate the total and percentage. Display the student details in the client program. (Use TCP/IP).
8. Create a program to demonstrate the different situations where finally block can be used.
9. Create a simple Java chat application using UDP protocol.
10. Display the contents of any URL. Display the host name as well as the port at which it is listening as well as the protocol used.
11. Write a program to demonstrate the use of throw keyword in the following cases. i. To throw built-in exception ii. To throw user-defined exception.
12. Accept empno, ename, basic into local variables on the client side. Pass the basic to remote methods da(), hra(), net() which will receive basic and calculate da. Hra and net and return them to the client. Display empo, ename, basic, da, hra, net on the client side. (Use RMI).
13. Write a program to calculate DA, HRA, PF, IT and Net of an employee using the concept of Association and Aggregation.
14. Write a JDBC program to Accept empno, ename and basic .. Calculate da, hra and net and add the record into the database . Finally display all the records.
15. Create an interface **Bank** with method **readCustomerInfo**(). Using interface inheritance, create interfaces **ICICI** and **Axis** with methods **calculateInterest**() and **displayDetails**(). Create a class to implement the interfaces.

16. Write a Java program to perform union, intersection and difference operations on two sets using set interface methods.
17. Write a Java Program to create a chatting application using threads.
18. Write a program to perform banking operations using threads.
19. Write a program to demonstrate Inter-thread communication
20. Write a program to copy the contents of one file to another using Byte Stream classes.
21. Write a program to count the number of vowels, consonants and digits in a file.
22. Write a program to copy the contents of one file to another using Character Stream classes.
23. Write a program to demonstrate Key board events using JFrame
24. Write a program to demonstrate Key board events using Adapter class.
25. Write a program to find factorial of a number using swing components.
26. Write a program to display first N fibonacci numbers in a text area
27. Write a program to concatenate two strings using swing components.
28. Write a program to Demonstrate thread synchronization.
29. Write a program to Demonstrate object serialization and de-serialization.
30. Write a program to Demonstrate static and dynamic polymorphism.
31. Write a program to find factorial of a number using swing components. Add the number read and the factorial to the mysql table .
32. Write a program to concatenate two strings. Copy the strings and concatenated string to database table.