**DBS Assignment# 6**

1. Write a JDBC Application to display jobs where the minimum salary is less than salary of a given employee.

2. Write a JDBC Application calling a procedure to find out the name of the employee and name of the department for the employee who is the manager for a given employee ID.

3. Write a JDBC application to show the job title and name of those employees who have been hired after a given date (supplied by user), and who have a manager working in a given department (supplied by user). [Use cursor]

4. Write a JDBC application to update salary (by 5%) AND job type of a given employee based on empno using prepared statements. Write and use a trigger for the following:

1. The changes for the employee need to be inserted in a newly created table EMP\_CHANGE with attributes <EMPNO, :old.jobtype, :new.jobtype, :old.salary, :new.salary, change\_date, user>. "change\_date" is the date of update and "user" who has modified the record.
2. Check whether the salary of an employee to be updated doesn’t violate the min-max salary constraint of the corresponding job ID. If it violates the constraint raise an exception with some message.

5. Write a JDBC application for generating a report for the following query and send query results to an external file.

Query: Display deptno, deptname and Total\_salary of those departments which spend >100000

6. Write a JDBC application for generating the following Report in an external file.

Dept Name Mgr\_Name Employee(s) Salary

10 M1 E1 10K

E2 20K

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Total Sal 30K

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M2 E3 12K

E4 13K

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Total Sal 25K

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20 M3 E5 12K

