LAB 5 – Stored procedures and Triggers

Create database and insert data to store information of employees as following:

Bảng 1: NHÂNVIÊN

HONV	TENLOT	TEN	MANV	NGSINH	DCHI	PHAI	LUONG	MA_NQL	PHG
Dinh	Ba	Tien	123456789	09/01/1955	731 Tran Hung Dao, Q1, TPHCM	Nam	30000	333445555	5
Nguyen	Thanh	Tung	333445555	08/12/1945	638 Nguyen Van Cu, Q5, TPHCM	Nam	40000	888665555	5
Bui	Thuy	Vu	999887777	19/07/1958	332 Nguyen Thai Hoc, Q1, TPHCM	Nam	25000	987654321	4
Le	Thi	Nhan	987654321	20/06/1931	291 Ho Van Hue, QPN, TPHCM	Nu	43000	888665555	4
Nguyen	Manh	Hung	666884444	15/09/1952	975 Ba Ria, Vung Tau	Nam	38000	333445555	5
Tran	Thanh	Tam	453453453	31/07/1962	543 Mai Thi Luu, Q1, TPHCM	Nam	25000	333445555	5
Tran	Hong	Quan	987987987	29/03/1959	980Le Hong Phong, Q10, TPHCM	Nam	25000	987654321	4
Vuong	Ngoc	Quyen	888665555	10/10/1927	450 Trung Vuong, HaNoi	Nu	55000		1

Bảng 2: PHONGBAN

TENPHG	MAPH	TRPHG	NG_NHANCHUC
Nghien cuu	5	333445555	22/05/1978
Dieu hanh	4	987987987	01/01/1985
Quan ly	1	888665555	19/06/1971

Bảng 3: DIADIEM_PHG

MAPHG	DIADIEM
1	TP HCM
4	HA NOI
5	VUNG TAU
5	NHA TRANG
5	TP HCM

Bảng 4: THANNHAN

MA_NVIEN	TENTN	PHAI	NGSINH	QUANHE
333445555	Quang	Nu	05/04/1976	Con gai
333445555	Khang	Nam	25/10/1973	Con trai
333445555	Duong	Nu	03/05/1948	Vo chong
987654321	Dang	Nam	29/02/1932	Vo chong
123456789	Duy	Nam	01/01/1978	Con trai
123456789	Chau	Nu	31/12/1978	Con gai

Bảng 6: PHANCONG

MA_NVIEN	SODA	THOIGIAN
123456789	1	32.5
123456789	2	7.5
666884444	3	40.0
453453453	1	20.0
453453453	2	20.0
333445555	3	10.0
333445555	10	10.0
333445555	20	10.0
999887777	30	30.0
999887777	10	10.0
987987987	10	35.0
987987987	30	5.0
987654321	30	20.0
987654321	20	15.0
888665555	20	

Bảng 5: DEAN

TENDA	MADA	DDIEM_DA	PHONG
San pham X	1	VUNG TAU	5
San pham Y	2	NHA TRANG	5
San pham Z	3	TP HCM	5
Tin hoc hoa	10	HA NOI	4
Cap quang	20	TP HCM	1
Dao tao	30	HA NOI	4

I.   Write stored procedures to do bellow tasks: (SPs were named SP_[number])
1. List all information of employees (code, name, entered date, supervisor's id, supervisor's name) whose date of birth is from s to f. S and f are date value that were been input parameters.
2. List all employees (code, name, salary) whose salary more than the average salary of the department that they work in.
3. List N employees that have the highest salary. N is the input parameter.
4. Increase 10% for salary of all employees in the city A. A is the input parameter.
5. Delete all no personnel departments.
II.   Write triggers to ensure:
1. The average salary of each department must be fewer than 50000.
2. The salary of the head of each department must be greater than or equal to salary of all employees in this department.
3. The different between average salary of employees in HCM and HN must fewer than 10000.
4. Create a trigger Insertemployee which will be activated by an insert statement into the NHANVIEN table. The trigger will display the employee's Full Name and the employee's TENPHG which have just been inserted by the insert statement.
5. The different between number of male and female employees must fewer than 10%.