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***ENROLL NO. : 21103262***

***BATCH : B11***

***DSW Lab***

***Week 3-4***

*1. Retrieve the birthdate and address of the employee(s) whose name is*

*‘John B. Smith’.*

*Solution :*

*SELECT BDATE, ADDRESS FROM EMPLOYEE WHERE NAME=‘John B. Smith’;*

*2. Retrieve the name and address of all employees who work for the*

*‘Research’ department.*

*Solution :*

*SELECT FNAME, LNAME, ADDRESS FROM EMPLOYEE, DEPARTMENT WHERE DEPARTMENT.DNAME=‘Research’ AND DEPARTMENT.DNUMBER= EMPLOYEE.DNO;*

*3. For every project located in ‘Stafford’, list the project number, the*

*controlling department number, and the department manager’s last name,*

*address, and birthdate.*

*Solution :*

*SELECT PNUMBER, DNUM, LNAME, ADDRESS, BDATE FROM PROJECT, DEPARTMENT, EMPLOYEE WHERE DNUM=DNUMBER AND MGRSSN=SSN AND PLOCATION=‘Stafford’;*

*4. Retrieve all employees whose address is in Houston, Texas.*

*Solution :*

*SELECT \* FROM EMPLOYEE WHERE ADDRESS LIKE ‘%Houstan, TX%’;*

*5. Show the resulting salaries if every employee working on the ‘ProductX’*

*project is given a 10 percent raise.*

*Solution :*

*SELECT 1.1\*SALARY FROM EMPLOYEE, PROJECT WHERE PNAME = ‘ProductX’ AND DNUM=DNO;*

*6. Retrieve all employees in department 5 whose salary is between $30,000*

*and $40,000.*

*Solution :*

*SELECT \* FROM EMPLOYEE WHERE DNO = 5 AND SALARY >= 30000 AND SALARY <=40000;*

*7. Retrieve a list of employees and the projects they are working on, ordered*

*by department and, within each department, ordered alphabetically by last*

*name, first name.*

*Solution :*

*SELECT DNAME,LNAME,FNAME,PNAME FROM DEPARTMENT,EMPLOYEE,WORKS\_ON,PROJECT WHERE DNUMBER=DNO AND SSN=ESSN AND PNO=PNUMBER ORDER BY DNAME,LNAME,FNAME;*

*8. Retrieve the names of all employees who do not have supervisors.*

*Solution :*

*SELECT FNAME, LNAME FROM EMPLOYEE WHERE SUPERSSN IS NULL;*