DBMS LAB - 3 ASSIGNMENT REPORT

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Continuing from the previous Company Database.

1. Write a SELECT query to display a list of all project numbers for projects that involve an employee whose last name is 'Smith', either as a worker or as a manager of the department that controls the project.

nysql> SELECT *FROM EMPLOYEE;									
				Bdate	Address	+ sex	+ salary	Super_Ssn	
JOHN	В	SMITH	123456789	1965-01-09	731 FONDREN, HOUSTON, TX	 м	3000000.00	333445555	 5
FRANKLIN	Т	WONG	333445555	1955-12-08	638 VOSS, HOUSTON, TX	М	400000.00	888665555	5
JOYCE	А	ENGLISH	453453453	1972-07-31	5631 RICE, HOUSTON, TX	F	3000000.00	333445555	5
RAMESH	K	NARAYAN	666884444	1962-09-15	975 FINE OAK, HUMBLE, TX	М	380000.00	333445555	5
JAMES	E	BORG	888665555	1937-11-10	450 STONE, HUDSON, TX	M	550000.00	NULL	1
JENNIFER	S	WALLACE	987654321	1941-06-20	291 BERRY, BELLAINE, TX	F	430000.00	888665555	4
AHMAD	V	JABBAR	987987987	1969-03-29	980 DALLAS, HOUSTON, TX	M	250000.00	987654321	4
ALICIA	J	ZELAYA	999887777	1968-01-19	3321 CASTLE SPRING, TX	F	250000.00	987654321	4

2. Write a SELECT query to retrieve all employees whose address is in Houston, Texas

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3. Write a SELECT query to find all employees who were born during the 1950s.

4. Write a SELECT query to raise the 10% salary of employees who are working on the 'ProductX' project and list the resulting salary along with their names.

```
| Minit | Lname
                                                                       Address
                                                                                                          sex salary
                                      123456789
                                                      1965-01-09
                                                                       731 FONDREN, HOUSTON,
                                                                                                                     30000.00
                                     333445555 | 1955-12-08 | 638 VOSS, HOUSTON, TX
453453453 | 1972-07-31 | 5631 RICE, HOUSTON, TX
987987987 | 1969-03-29 | 980 DALLAS, HOUSTON, TX
FRANKLIN
                         WONG
                                                                                                                     40000.00
                                                                                                                                    888665555
                         ENGLISH
                                                                                                                     30000.00
                                                                                                                                    333445555
JOYCE
AHMAD
                        JABBAR
                                                                                                                     25000.00 | 987654321
rows in set (0.01 sec)
```

5. Write a SELECT query to retrieve all employees in department 5 whose salary is between \$30,000 and \$40,000.

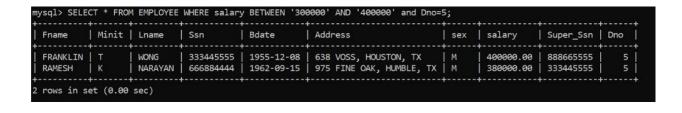
```
mysql> SELECT Pnumber FROM PROJECT, EMPLOYEE WHERE Lname='Smith'and Dno=Dnum;

+----+
| Pnumber |

+----+
| 1 |
| 2 |
| 3 |

+----+
3 rows in set (0.01 sec)
```

6. Write a SELECT query to find the names of all employees who are directly supervised by 'Franklin Wong'.



7. Write a SELECT query to retrieve the names of all employees in department 5 who work more than 10 hours per week on the ProductX project.

```
mysql> SELECT Fname, Minit, Lname from DEPENDENT, EMPLOYEE WHERE Fname=Dependent_name and Essn=Ssn;
Empty set (0.01 sec)
```

8. List the names of all employees who have a dependent with the same first name as themselves.

					950-01-01' AND '1959-12-				
Fname	Minit	Lname	Ssn	Bdate	Address	sex	salary	Super_Ssn	Dno
FRANKLIN	т	WONG	333445555	1955-12-08	638 VOSS, HOUSTON, TX	M	40000.00	888665555	5
l row in set				+	+	+	+		++
