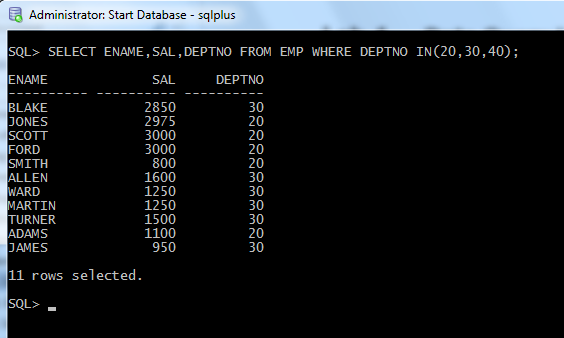
1. Retrieve the details (Name, Salary and dept code) of the employees

who are working in department 20, 30 and 40

QUERY:

SELECT ENAME,SAL,DEPTNO FROM EMP WHERE DEPTNO IN (20,30,40)

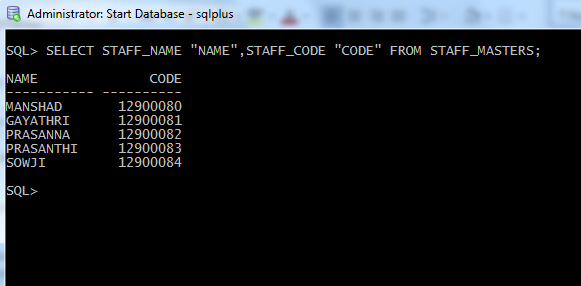
RESULT:



**2.** List the details of the employees with user defined Column headers.

QUERY

SELECT STAFF\_NAME “NAME”,SATFF\_CODE “CODE” FROM STAFF\_MASTERS;

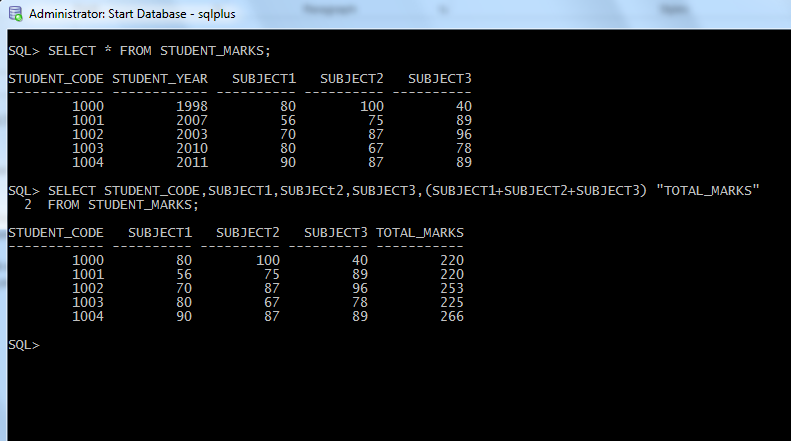


**3.** Display the code, subjects and total marks for every student. Total Marks will be calculated as Subject1+Subject2+Subject3. (Refer Student\_Marks table)

QUERY:

SELECT STUDENT\_CODE,SUBJECT1,SUBJECT2,SUBJECT3,

(SUBJECT1+SUBJECT2+SUBJECT3) “TOTAL\_MARKS” FROM STUDENT\_MARKS;



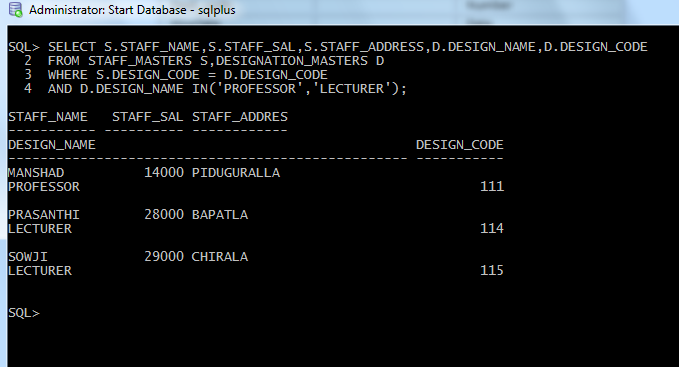
**4.** List the details of the staff whose designations are either PROFESSOR or LECTURER.

QUERY:

SELECT S.STAFF\_NAME,S.STAFF\_SAL,S.STAFF\_ADRESS,D.DESIGN\_NAME,

D.DESIGN\_CODE FROM STAFF\_MASTERS S,DESIGNATION\_MASTERS D WHERE

S.DESIGN\_CODE = D.DESIGN\_CODE AND D.DESIGN\_NAME IN(‘PROFESSOR,’LECTURER’);

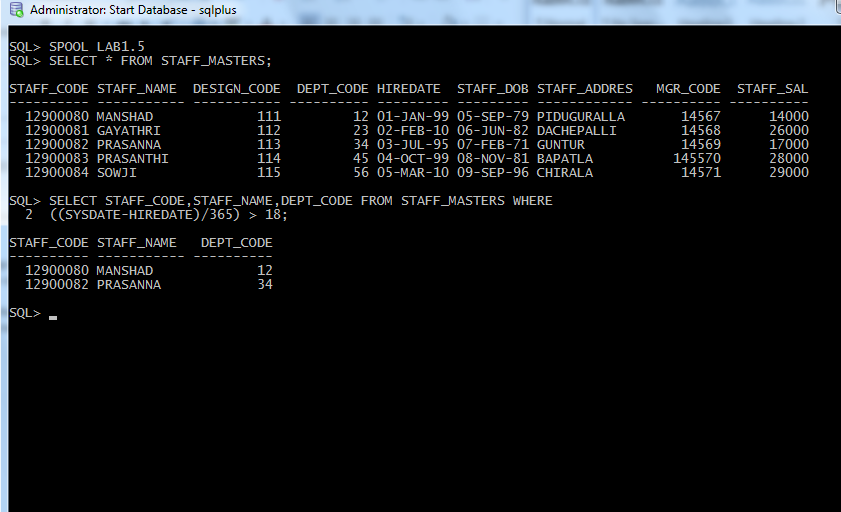


**5.** List the code, name, and department number of the employees who have experience of more than 18 years.

QUERY:

SELECT STAFF\_CODE,STAFF\_NAME,DEPT\_CODE FROM STAFF\_MASTERS

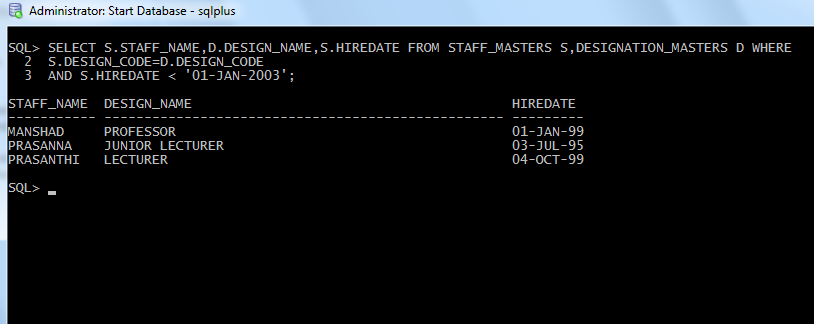
WHERE ((SYSDATE-HIREDATE)/365) > 18;



**6.** List the name and Designations of the staff who have joined before Jan 2003.

QUERY:

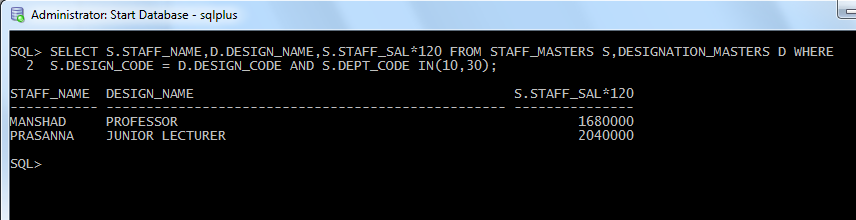
SELECT S.STAFF\_NAME,D.DESIGN\_NAME,S.HIREDATE FROM STAFF\_MASTERS S, DESIGNATION\_MASTERS D WHERE S.DESIGN\_CODE=D.DESIGN\_CODE AND S.HIREDATE < ’01-JAN-2003’;



**7.** List the name, designation, and income for 10 years of the employees who are working in departments 10 and 30.

QUERY:

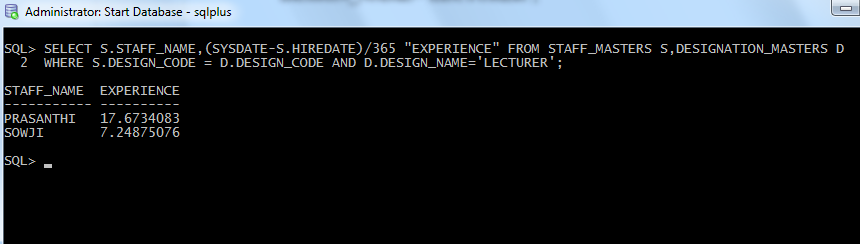
SELECT S.STAFF\_NAME,D.DESIGN\_NAME,S.STAFF\_SAL \*120 FROM STAFF\_MASTERS S, DESIGNATION\_MASTERS D WHERE S.DESIGN\_CODE=D.DESIGN\_CODE AND S.DEPT\_CODE IN(10,30);

****

**8.** List the name and experience (in years) of employees who are working as LECTURER.

QUERY:

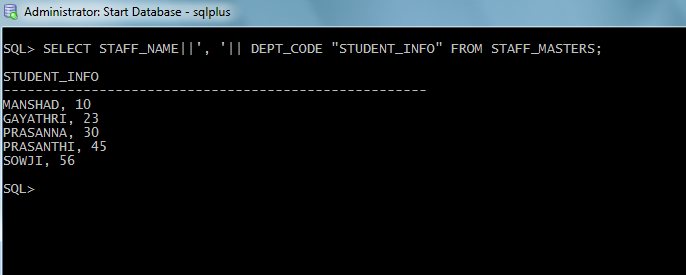
SELECT S.STAFF\_NAME, (SYSDATE-S.HIREDATE)/365 “EXPERIENCE” FROM STAFF\_MASTERS S,DESIGNATION\_MASTERS D WHERE D.DESIGN\_NAME=’LECTURER’;



**9.** Display name concatenated with dept code separated by comma and space. Name the column as ‘Student Info’.

QUERY:

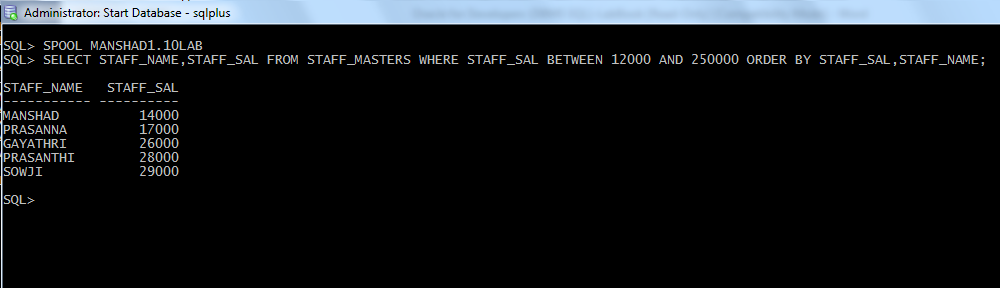
SELECT STAFF\_NAME|| ’, ‘|| DEPT\_CODE “STUDENT\_INFO” FROM STAFF\_MASTERS;



**10.** List the Name and Salary of the staff who are earning between 12000 and 25000. Sort them based on their salaries and name.

QUERY

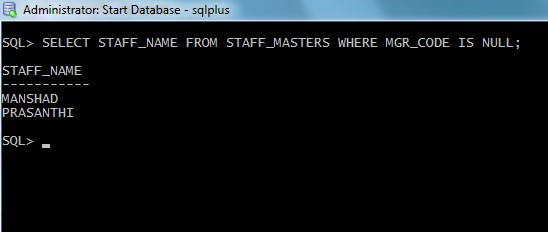
SELECT STAFF\_NAME,STAFF\_SAL FROM STAFF\_MASTERS WHERE STAFF\_SAL BETWEEN 12000 AND 25000 ORDER BY STAFF\_SAL,STAFF\_NAME;



**11.** Display employees who do not have manager.

QUERY:

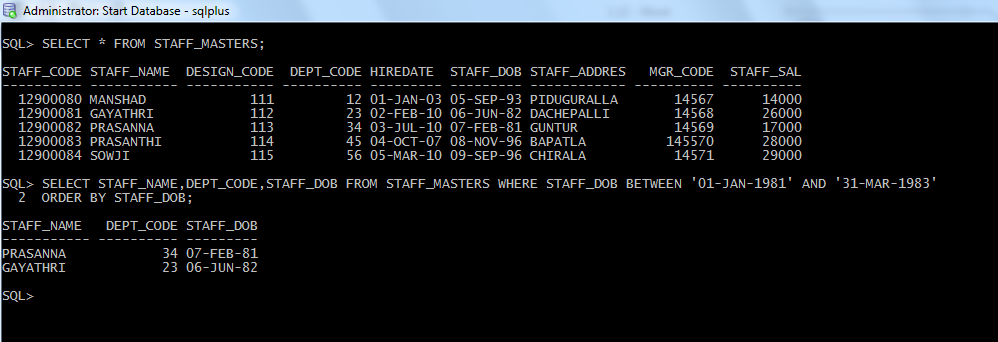
SELECT STAFF\_NAME FROM STAFF\_MASTERS WHERE MGR\_CODE IS NULL;



**12.** Write a query which will display name, department code and date of birth of all students who were born between January 1, 1981 and March 31, 1983. Sort it based on date of birth (ascending).

QUERY:

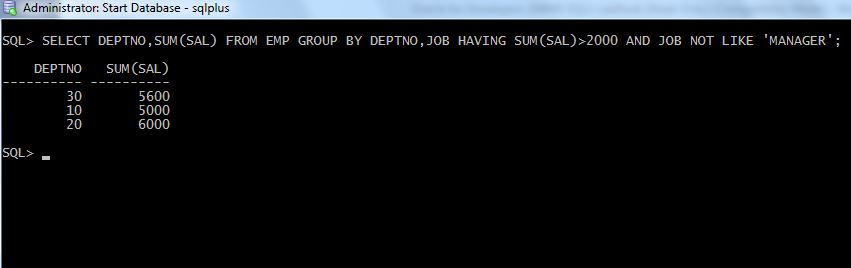
SELECT STAFF\_NAME,DEPT\_CODE ,STAFF\_DOB FROM STAFF\_MASTERS WHERE STAFF\_DOB BETWEEN ’01-JAN-1981’ AND ’31-MAR-1983 ORDER BY STAFF\_DOB;



**13.** Get the Department number, and sum of Salary of all non managers where the sum is greater than 2000.

QUERY:

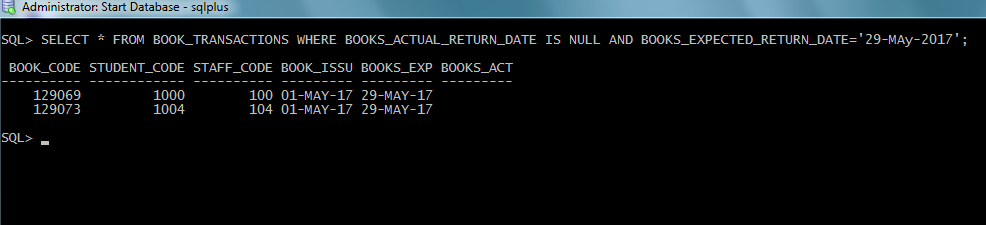
SELECT DEPTNO,SUM(SAL) FROM EMP GROUP BY DEPTNO HAVING SUM(SAL)>2000 AND JOB NOT LIKE ‘MANAGER’;



**14.** Display the details of books that have not been returned and expected return date was last Monday.

QUERY;

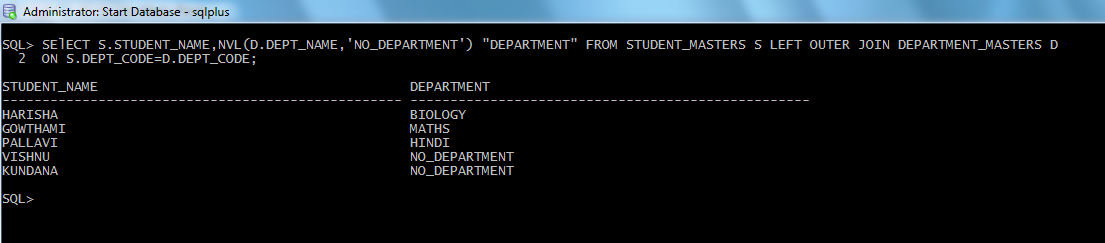
SELECT \* FROM BOOK\_TRANSACTIONS WHERE BOOKS\_ACTUAL\_RETUTN\_DATE IS NULL AND BOOKS\_EXPECTED\_RETURN\_DATE = ’29-MAY-2017’;



15. Display the name and department code of students. If student does not belong to any department, display “No Department”. Label the column as “Department”. (Hint: Use NVL function)

QUERY:

SELECT STUDENT\_NAME,NVL(D.DEPT\_NAME,’NO\_DEPARTMENT’) “DEPARTMENT” FROM STUDENT\_MASTERS S LEFT OUTER JOIN DEPARTMENT\_MASTERS D ON S.DEPT\_CODE= D.DEPT\_CODE;



16. Display the name and salary of the staff. Salary should be represented as X. Each X represents a 1000 in salary.

QUERY:

SELECT STAFF\_NAME,RPAD(STAFF\_SAL/1000+LENTH(STAFF\_SAL)),’X’) “SALARY” FROM STAFF\_MASTERS;

