**FOR TABLES**

-- DEPARTMENT TABLE

CREATE TABLE DEPARTMENT (

DEPARTMENT\_ID NUMBER PRIMARY KEY,

DEPT\_NAME VARCHAR2(100) NOT NULL

);

-- PROGRAM TABLE

CREATE TABLE PROGRAM (

PROGRAM\_ID NUMBER PRIMARY KEY,

PROGRAM\_NAME VARCHAR2(100) NOT NULL,

DEPARTMENT\_ID NUMBER,

CONSTRAINT FK\_PROGRAM\_DEPARTMENT

FOREIGN KEY (DEPARTMENT\_ID) REFERENCES DEPARTMENT(DEPARTMENT\_ID)

);

-- STUDENT TABLE

CREATE TABLE STUDENT (

STUDENT\_ID NUMBER PRIMARY KEY,

FNAME VARCHAR2(50) NOT NULL,

LNAME VARCHAR2(50) NOT NULL,

AGE NUMBER(3) CHECK (AGE > 0),

FEE NUMBER(10,2) CHECK (FEE >= 0),

PROGRAM\_ID NUMBER,

CONSTRAINT FK\_STUDENT\_PROGRAM

FOREIGN KEY (PROGRAM\_ID) REFERENCES PROGRAM(PROGRAM\_ID)

);

-- FACULTY TABLE

CREATE TABLE FACULTY (

FACULTY\_ID NUMBER PRIMARY KEY,

NAME VARCHAR2(100) NOT NULL,

JOB\_TITLE VARCHAR2(50),

SALARY NUMBER(10,2) CHECK (SALARY >= 0),

DEPARTMENT\_ID NUMBER,

CONSTRAINT FK\_FACULTY\_DEPARTMENT

FOREIGN KEY (DEPARTMENT\_ID) REFERENCES DEPARTMENT(DEPARTMENT\_ID)

);

-- COURSE TABLE

CREATE TABLE COURSE (

COURSE\_ID NUMBER PRIMARY KEY,

COURSE\_NAME VARCHAR2(100) NOT NULL,

CREDIT NUMBER(2) CHECK (CREDIT > 0),

DEP\_ID NUMBER,

FACULTY\_ID NUMBER,

CONSTRAINT FK\_COURSE\_DEPARTMENT

FOREIGN KEY (DEP\_ID) REFERENCES DEPARTMENT(DEPARTMENT\_ID),

CONSTRAINT FK\_COURSE\_FACULTY

FOREIGN KEY (FACULTY\_ID) REFERENCES FACULTY(FACULTY\_ID)

);

-- ENROLL TABLE

CREATE TABLE ENROLL (

ENROLL\_ID NUMBER PRIMARY KEY,

STUDENT\_ID NUMBER,

COURSE\_ID NUMBER,

SEMESTER VARCHAR2(20),

GRADE CHAR(2),

CONSTRAINT FK\_ENROLL\_STUDENT

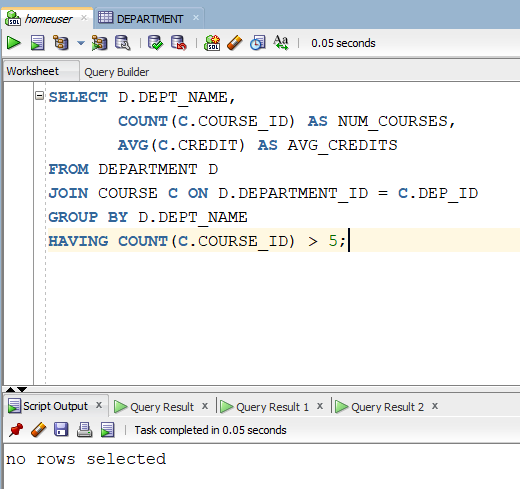
FOREIGN KEY (STUDENT\_ID) REFERENCES STUDENT(STUDENT\_ID),

CONSTRAINT FK\_ENROLL\_COURSE

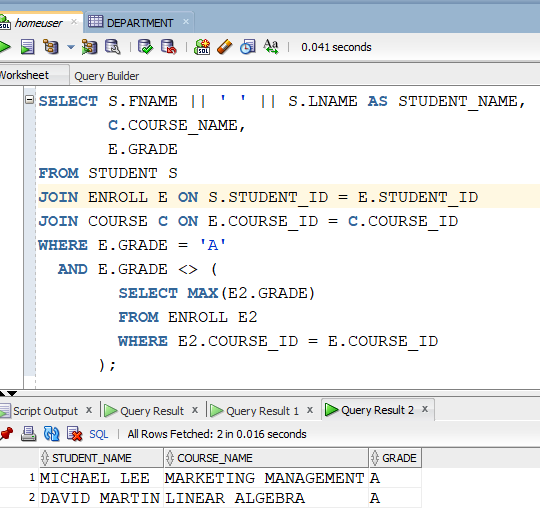
FOREIGN KEY (COURSE\_ID) REFERENCES COURSE(COURSE\_ID)

);

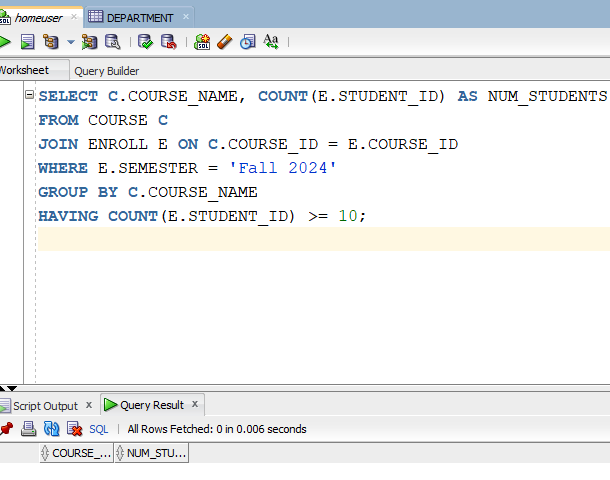
**LAB#05 – TASK#01**

****

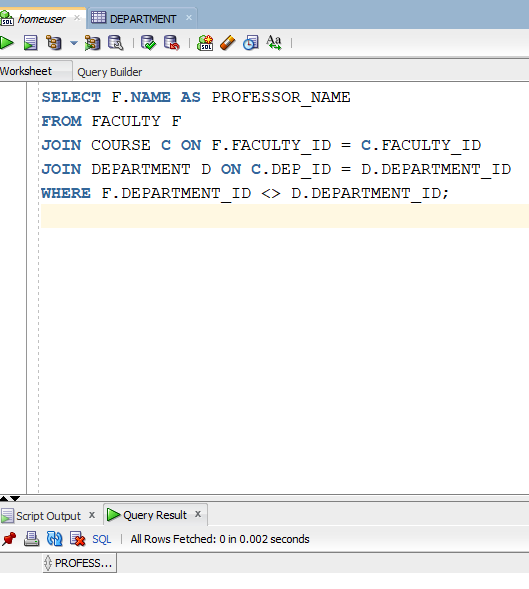
**LAB#05 – TASK#02**

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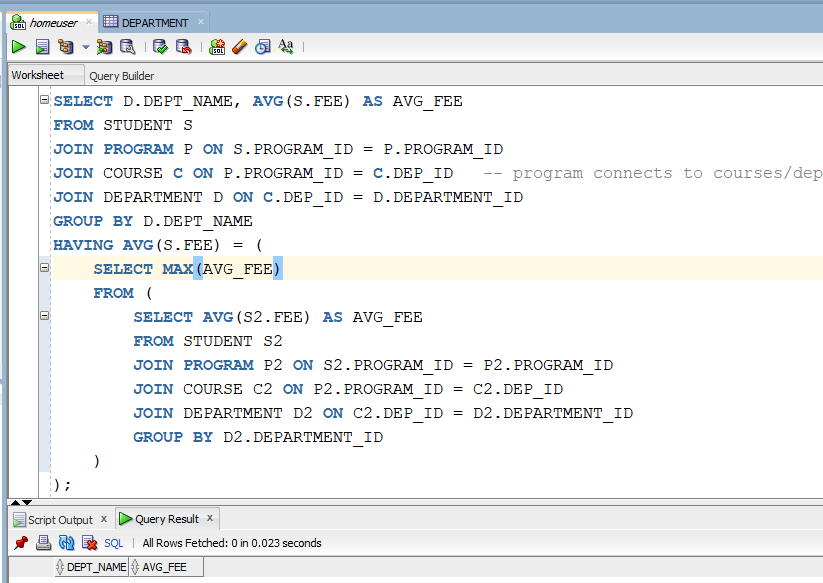
**LAB#05 – TASK#03**

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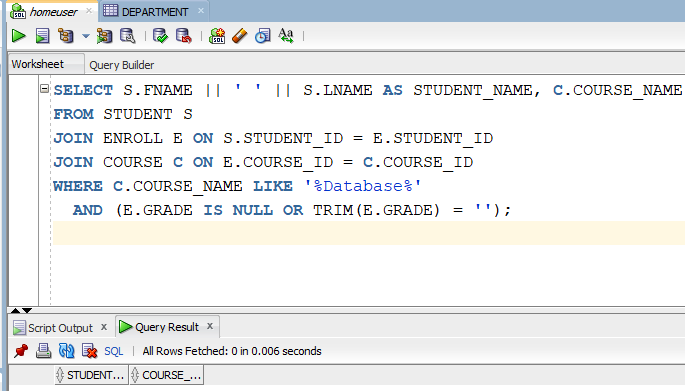
**LAB#05 – TASK#04**

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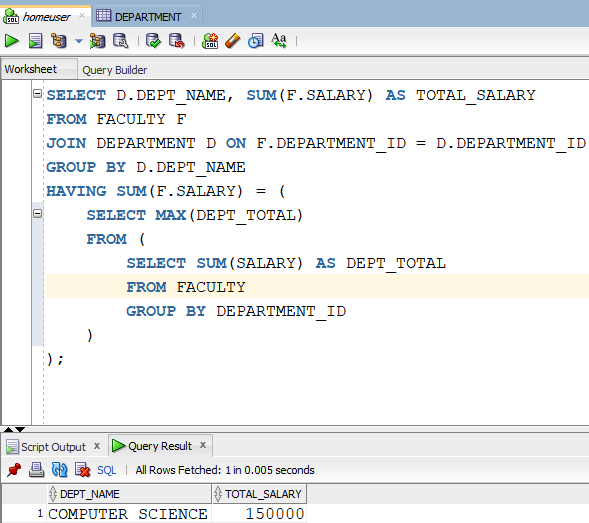
**LAB#05 – TASK#05**

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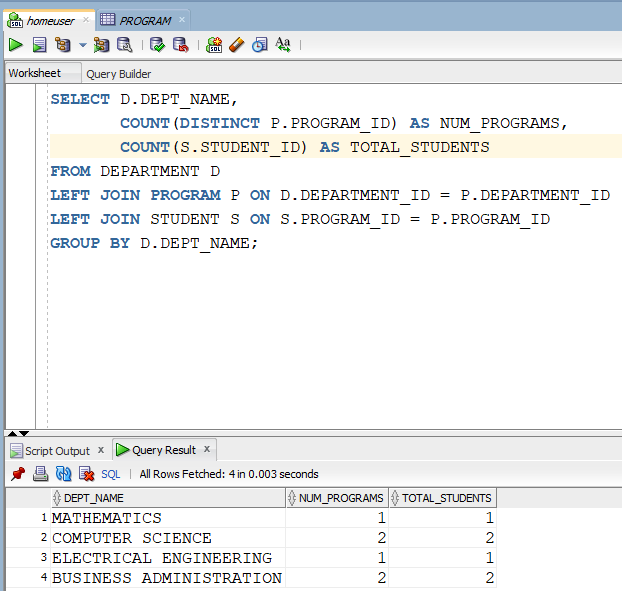
**LAB#05 – TASK#06**



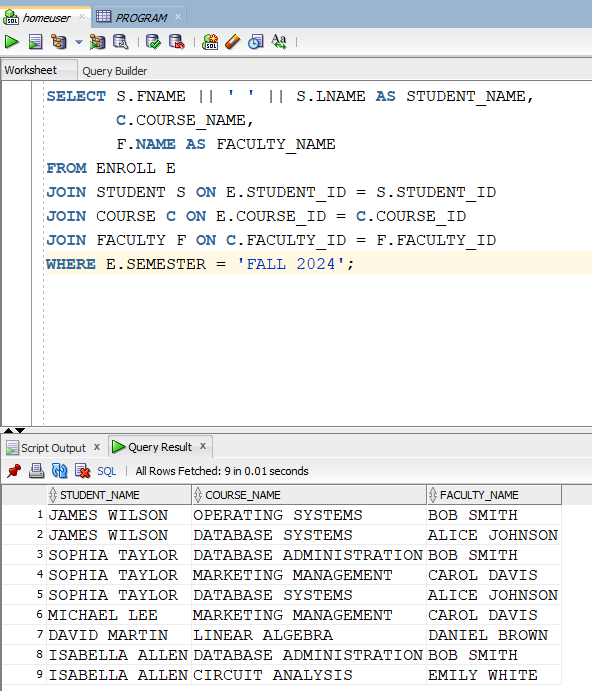
**LAB#05 – TASK#07**

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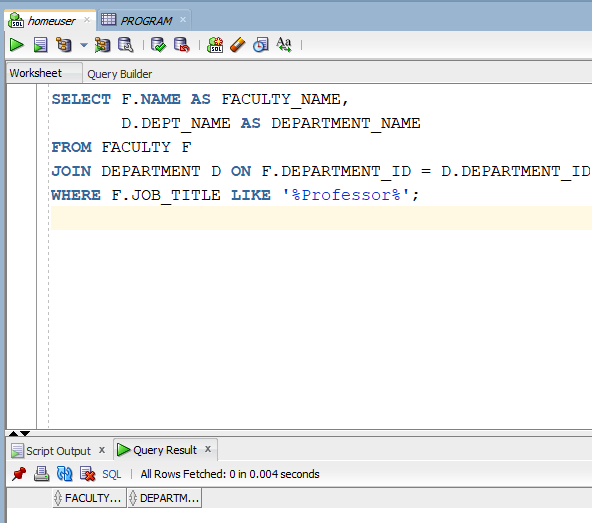
**LAB#05 – TASK#08**

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**LAB#05 – TASK#09**

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**LAB#05 – TASK#10**

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