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| Assignment 1  Student ID: 301284284 |
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**STUDENT ID: 301284284**

**STUDENT NAME: UJJWAL POUDEL**

**ASSIGNMENT-1:**

**Q. 1 Create Employee table as defined above. Ensure the Emp\_name and EMP\_emailid are not null.**

**SQL COMMAND:**

--Creating table

CREATE TABLE Employee

(

--using EMP\_ID as primary key

EMP\_id NUMBER PRIMARY KEY,

--not null: must provide value for this variable

EMP\_name VARCHAR2(20) NOT NULL,

EMP\_department VARCHAR2(20),

EMP\_contactno NUMBER,

EMP\_emailid VARCHAR2(20) NOT NULL,

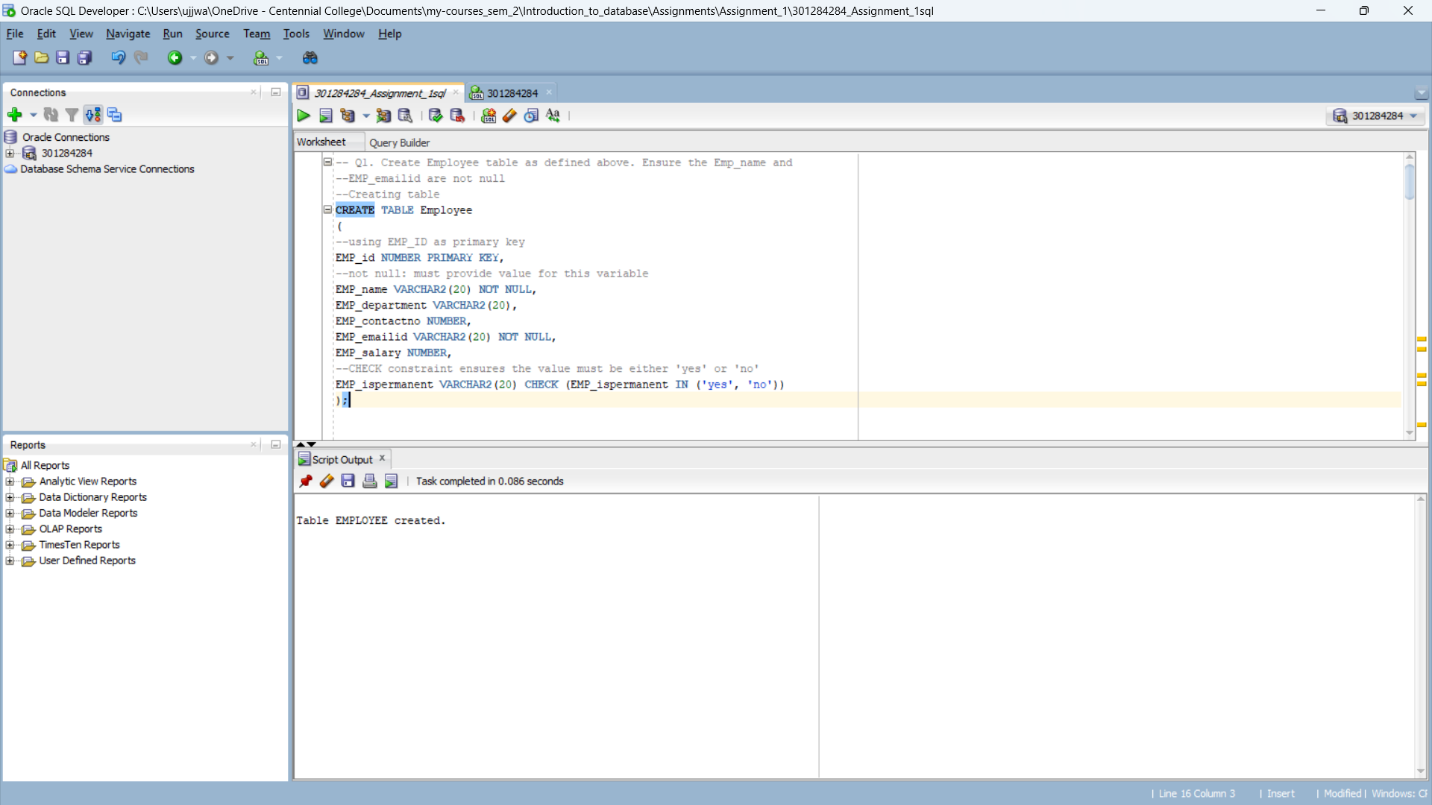
EMP\_salary NUMBER,

--CHECK constraint ensures the value must be either 'yes' or 'no'

EMP\_ispermanent VARCHAR2(20) CHECK (EMP\_ispermanent IN ('yes', 'no'))

);

**OUTPUT:**

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**Q. 2 Insert the second and third rows in one Insert command in the Employee table.**

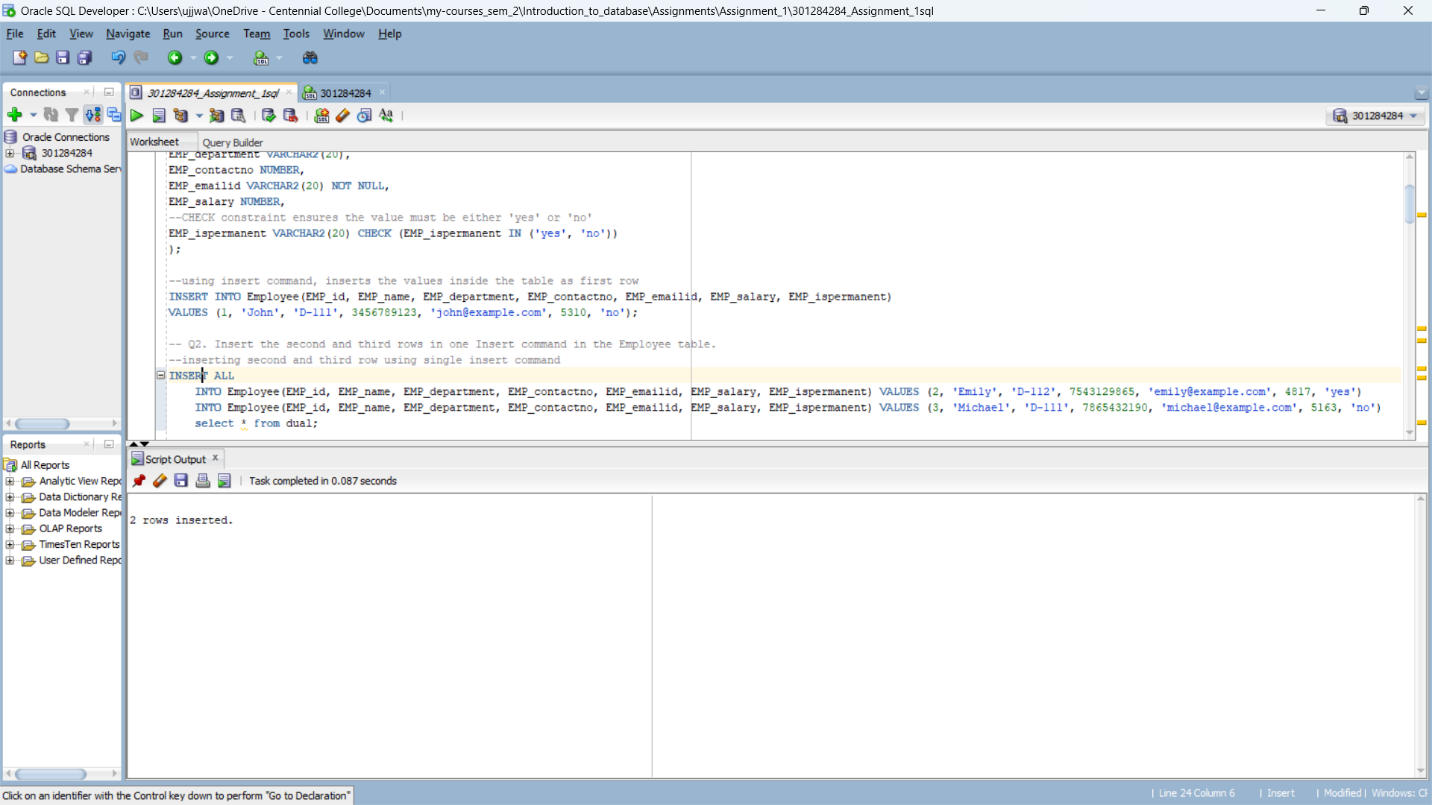
**SQL COMMAND:**

INSERT ALL INTO

Employee(EMP\_id, EMP\_name, EMP\_department, EMP\_contactno, EMP\_emailid, EMP\_salary, EMP\_ispermanent) VALUES (2, 'Emily', 'D-112', 7543129865, 'emily@example.com', 4817, 'yes')

Employee(EMP\_id, EMP\_name, EMP\_department, EMP\_contactno, EMP\_emailid, EMP\_salary, EMP\_ispermanent) VALUES (3, 'Michael', 'D-111', 7865432190, 'michael@example.com', 5163, 'no')

**OUTPUT:**

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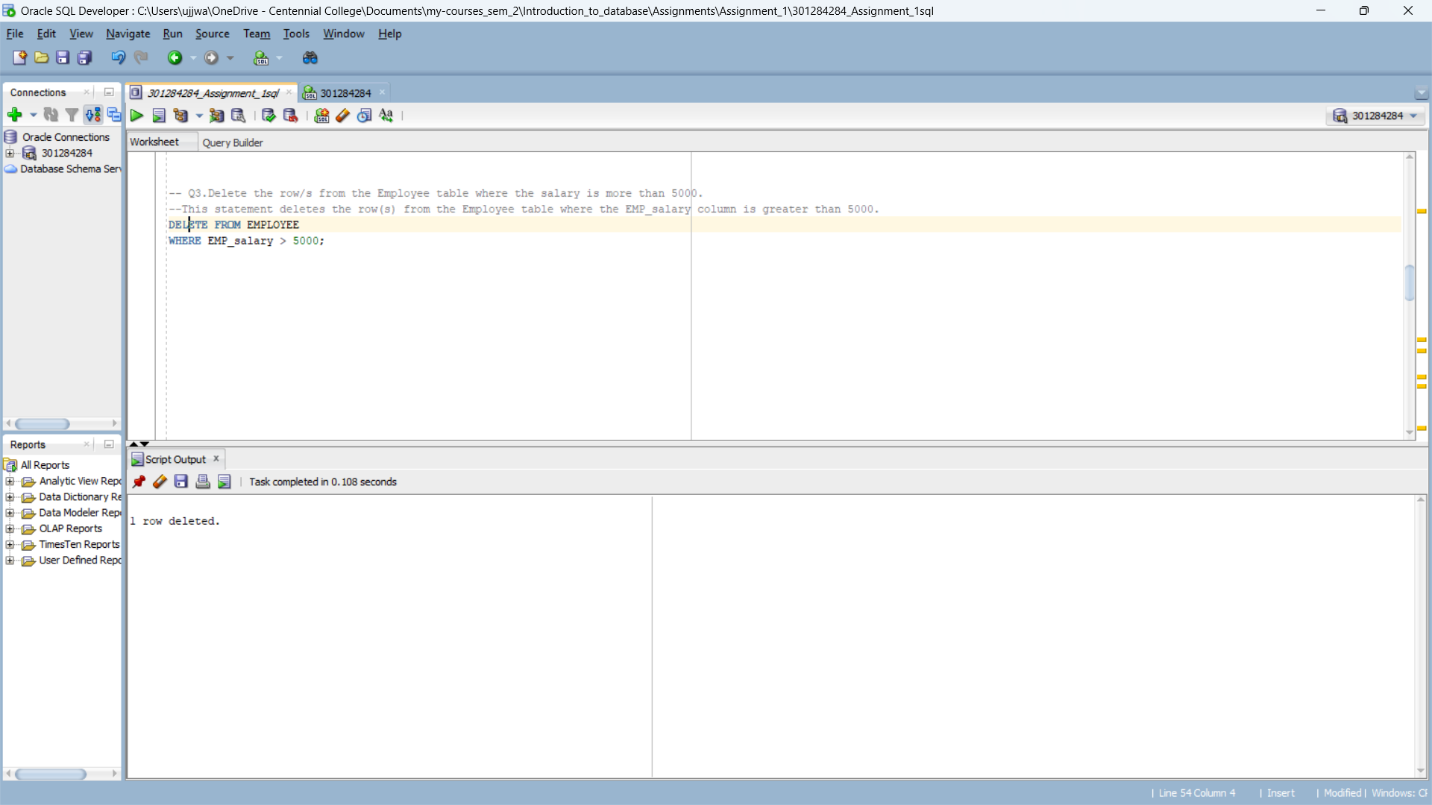
**Q. 3 Delete the row/s from the Employee table where the salary is more than 5000.**

**SQL COMMAND:**

DELETE FROM EMPLOYEE

WHERE EMP\_salary > 5000;

**OUTPUT:**

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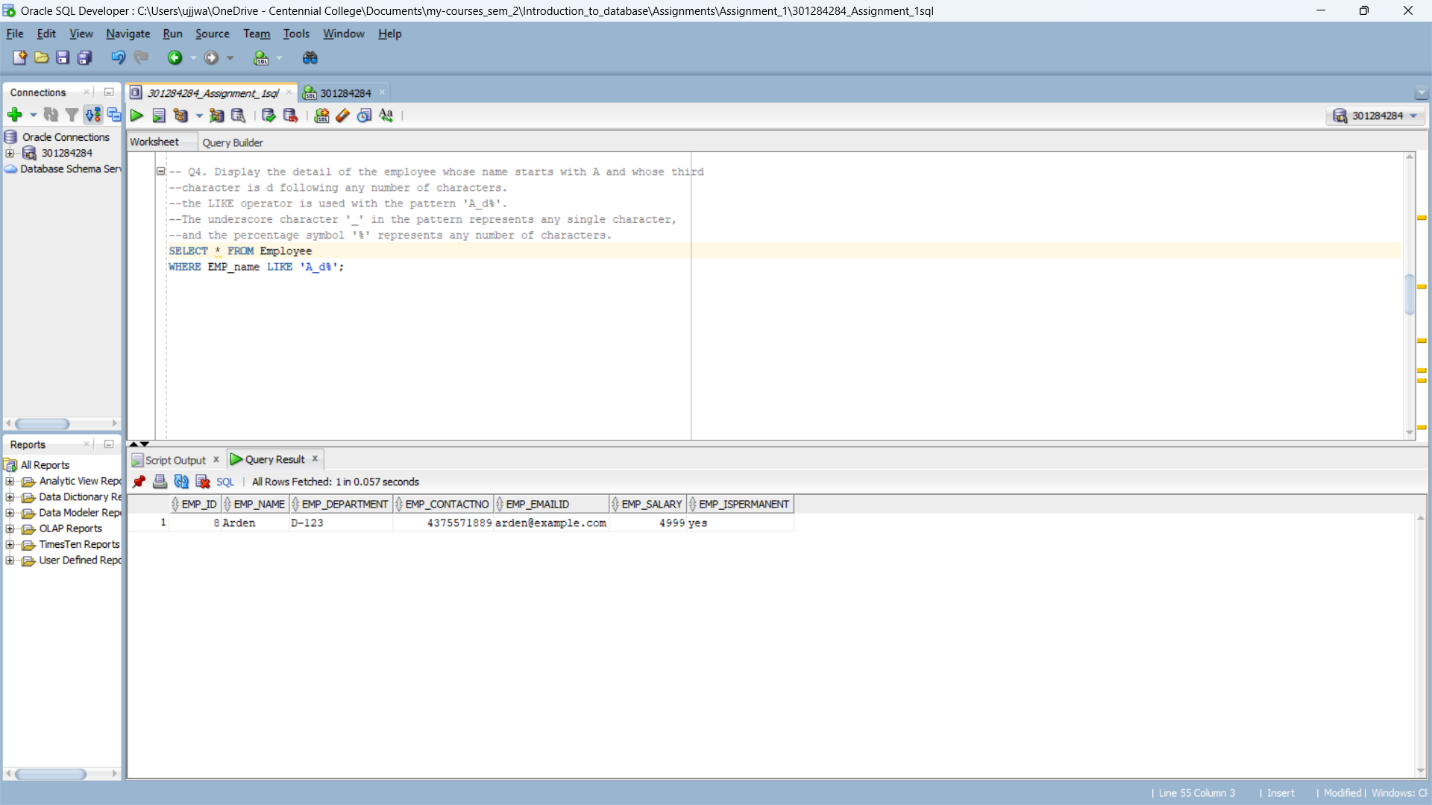
**Q. 4 Display the detail of the employee whose name starts with A and whose third character is d following any number of characters.**

**SQL COMMAND:**

SELECT \* FROM Employee

WHERE EMP\_name LIKE 'A\_d%';

**OUTPUT:**

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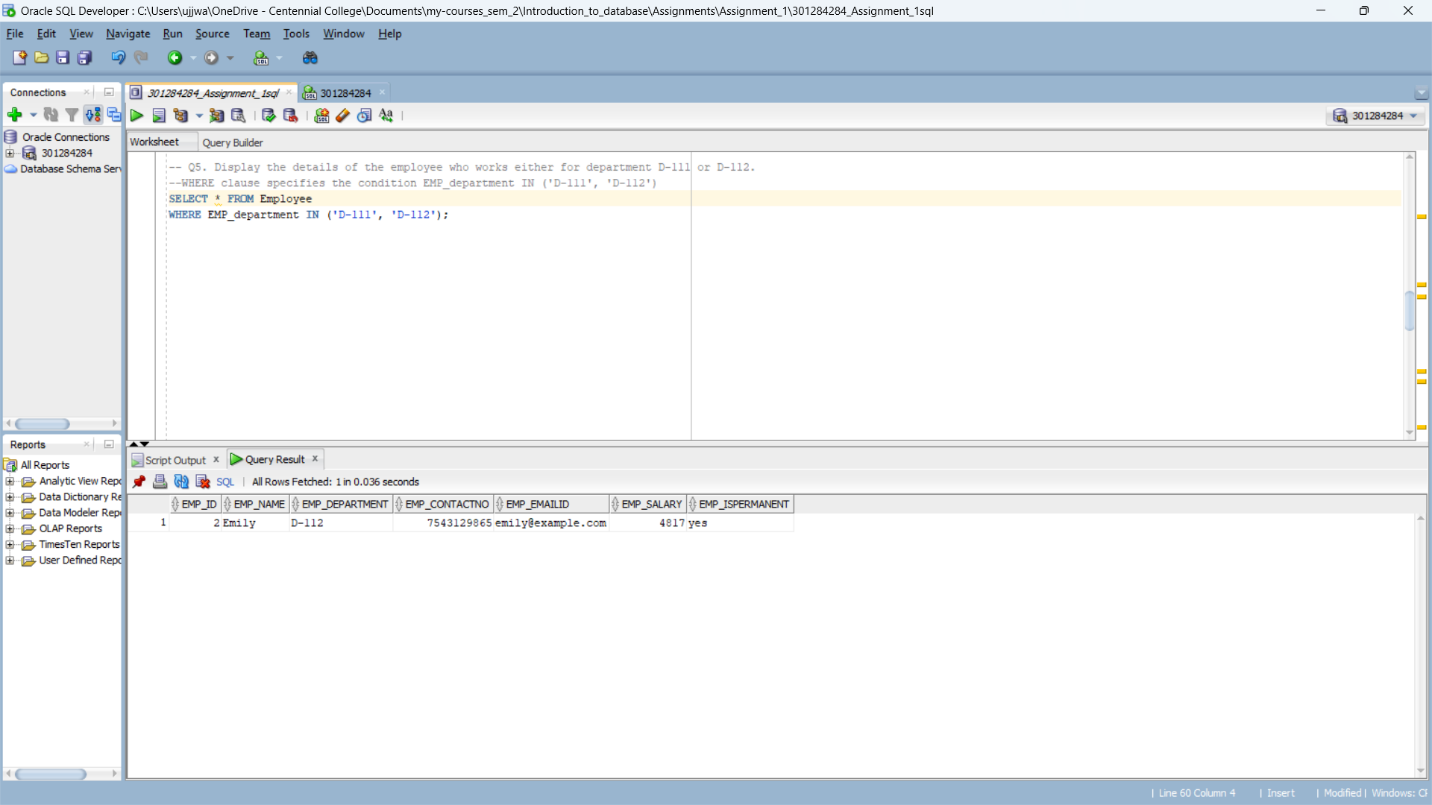
**Q. 5 Display the details of the employee who works either for department D-111 or D-112.**

**SQL COMMAND:**

SELECT \* FROM Employee

WHERE EMP\_department IN ('D-111', 'D-112');

**OUTPUT:**

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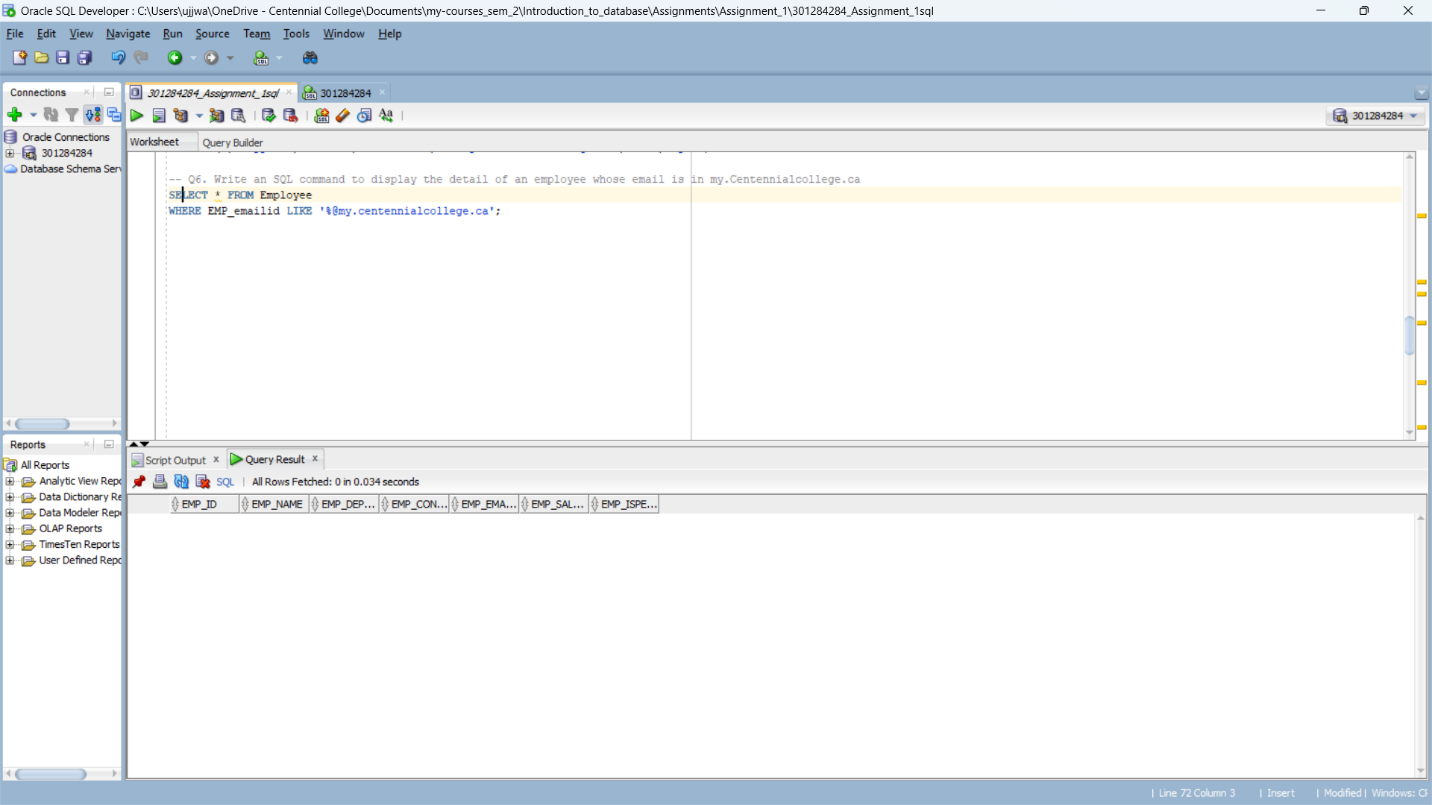
**Q. 6 Write an SQL command to display the detail of an employee whose email is in my.Centennialcollege.ca.**

**SQL COMMAND:**

SELECT \* FROM Employee

WHERE EMP\_emailid LIKE '%@my.centennialcollege.ca';

**OUTPUT:**

****

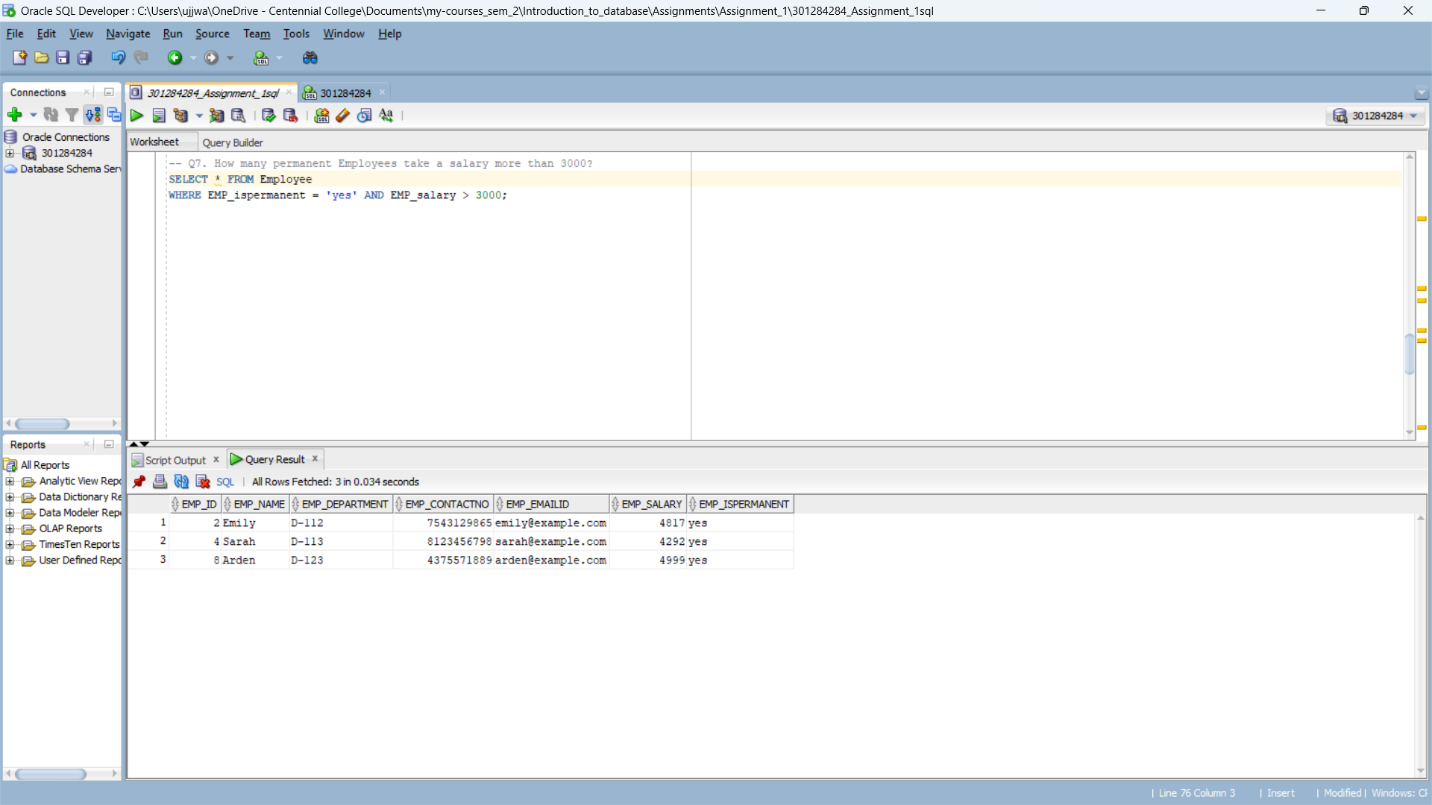
**Q. 7 How many permanent Employees take a salary more than 3000?**

**SQL COMMAND:**

SELECT \* FROM Employee

WHERE EMP\_ispermanent = 'yes' AND EMP\_salary > 3000;

**OUTPUT:**

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**Q. 8 What is the highest salary that is paid to permanent employees?**

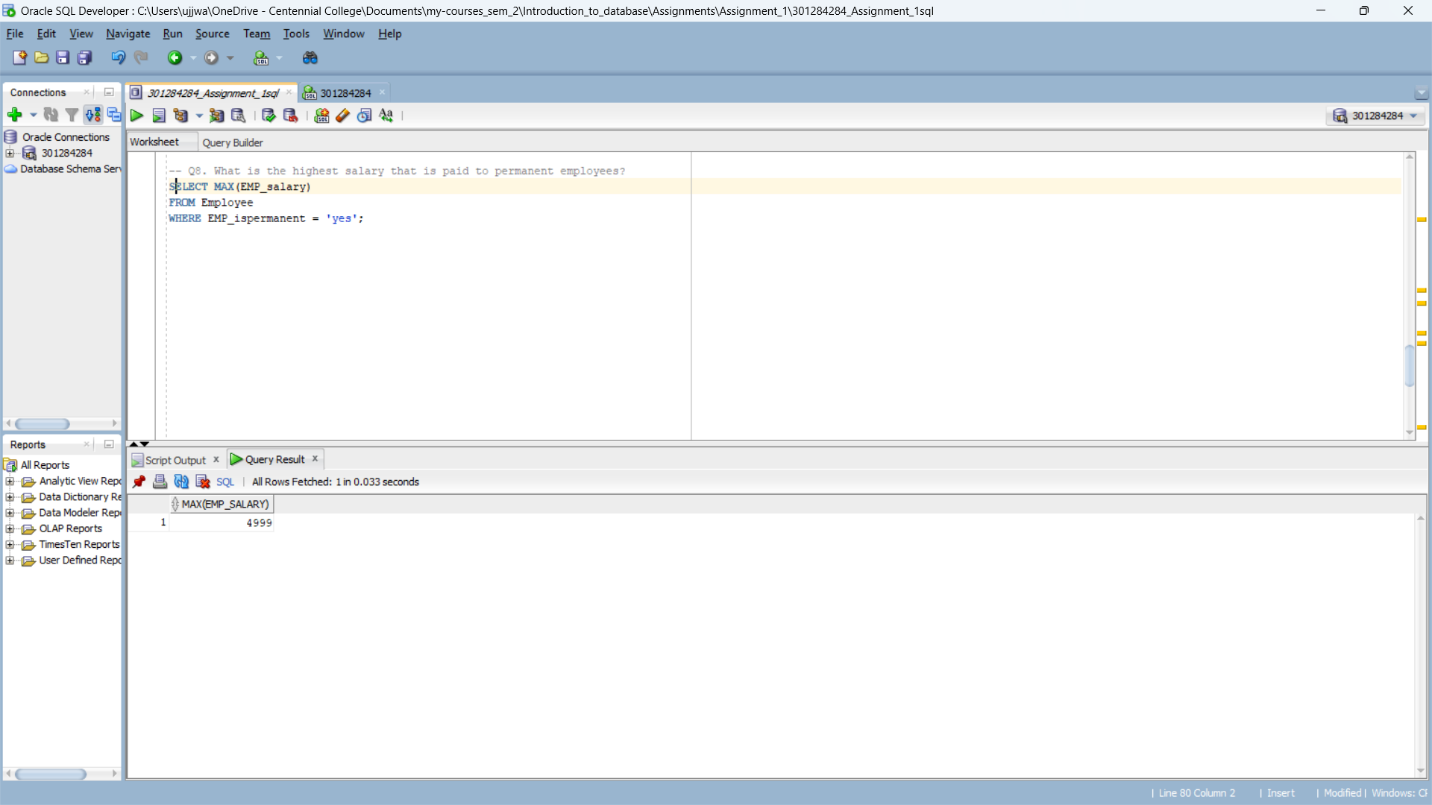
**SQL COMMAND:**

SELECT MAX(EMP\_salary)

FROM Employee

WHERE EMP\_ispermanent = 'yes';

**OUTPUT:**

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**Q. 9 Display the Employee name and Employee contact number of the Employee who works in department D-123.**

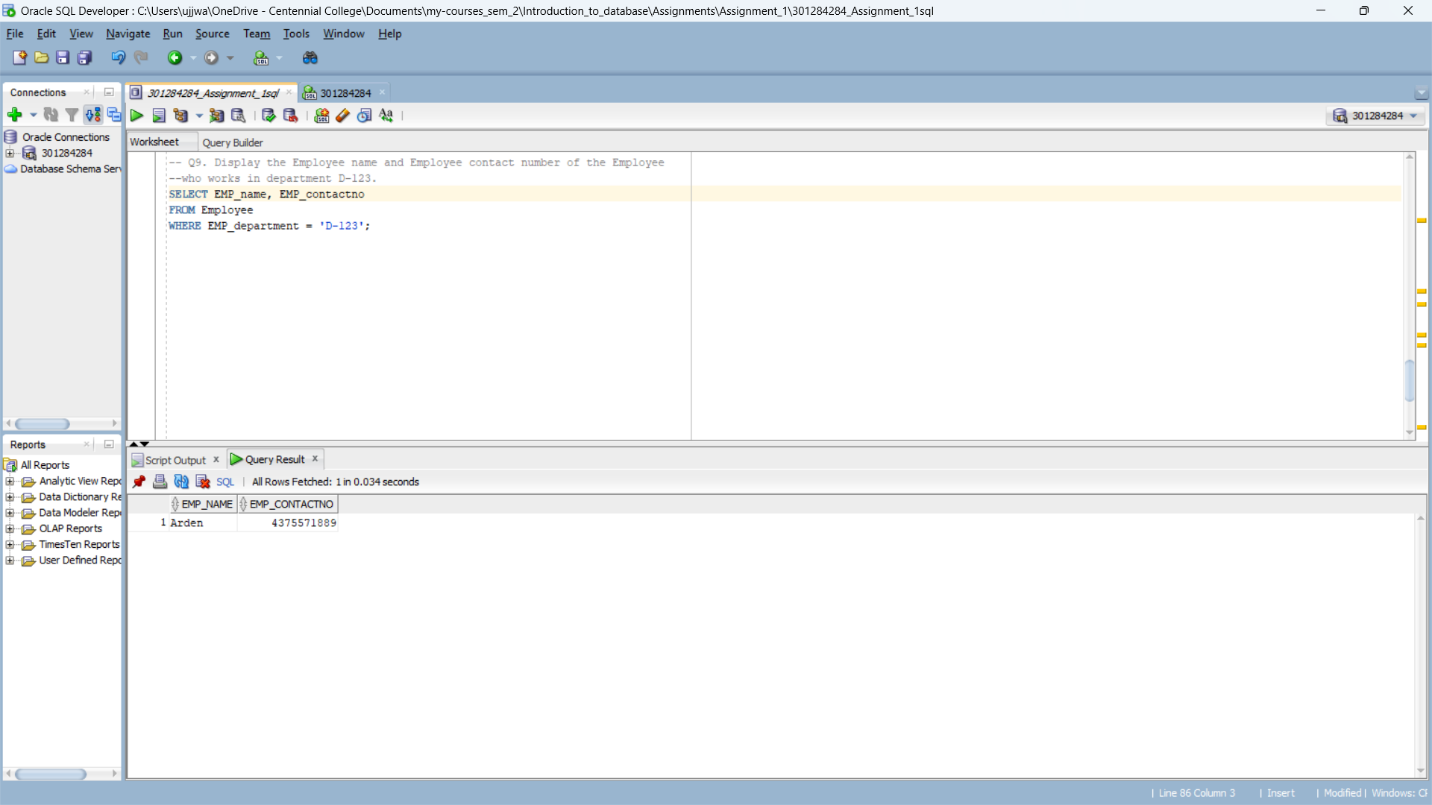
**SQL COMMAND:**

SELECT EMP\_name, EMP\_contactno

FROM Employee

WHERE EMP\_department = 'D-123';

**OUTPUT:**

****

**Q. 10 How many distinct departments are in employee table?**

**SQL COMMAND:**

SELECT COUNT (DISTINCT EMP\_department)

FROM Employee;

**OUTPUT:**

