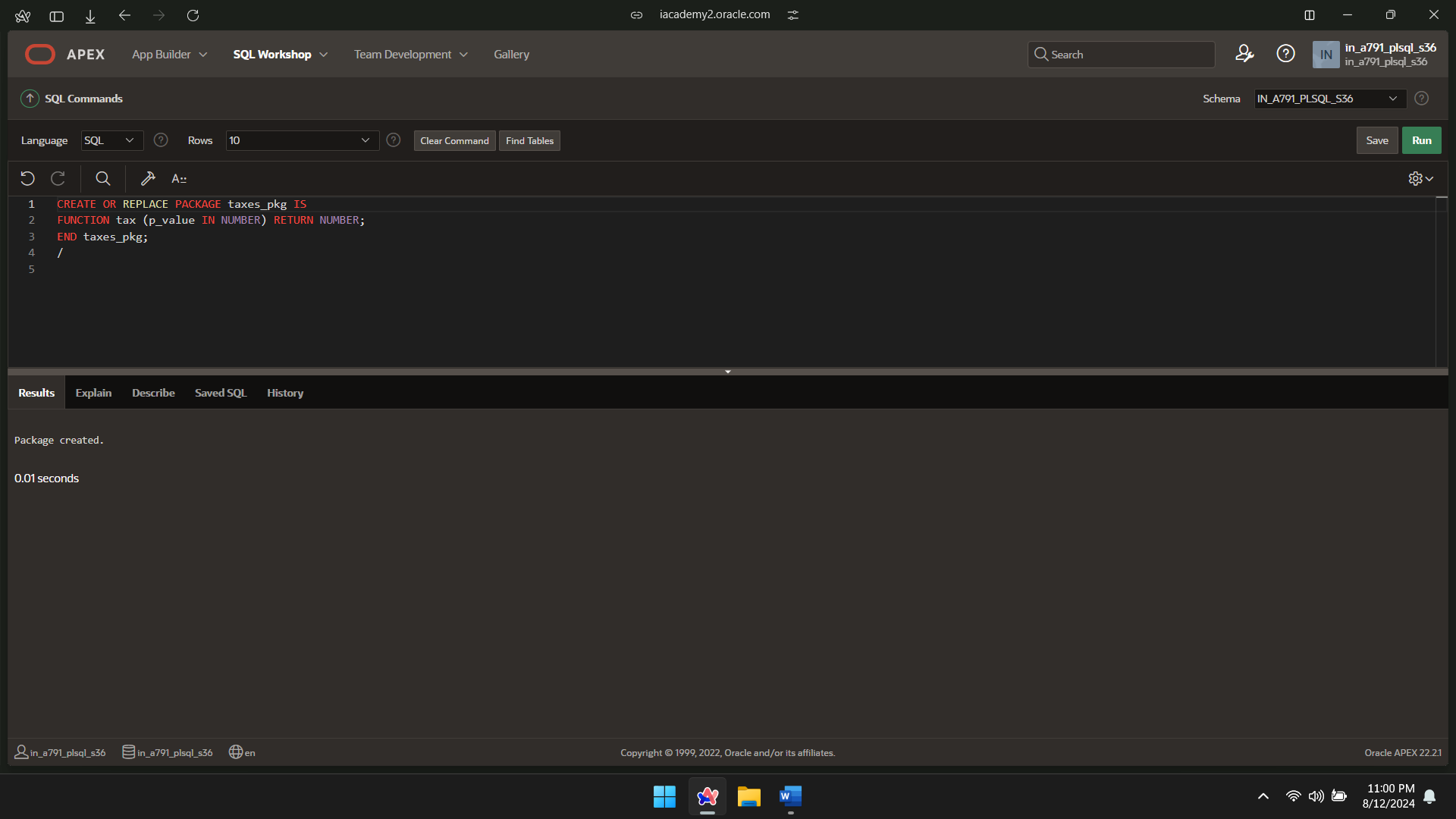
FUNCTION PACKAGE:

CREATE OR REPLACE PACKAGE taxes\_pkg IS

FUNCTION tax (p\_value IN NUMBER) RETURN NUMBER;

END taxes\_pkg;

/



FUNCTION PACKAGE BODY:

CREATE OR REPLACE PACKAGE BODY taxes\_pkg IS

FUNCTION tax (p\_value IN NUMBER) RETURN NUMBER IS

v\_rate NUMBER := 0.08;

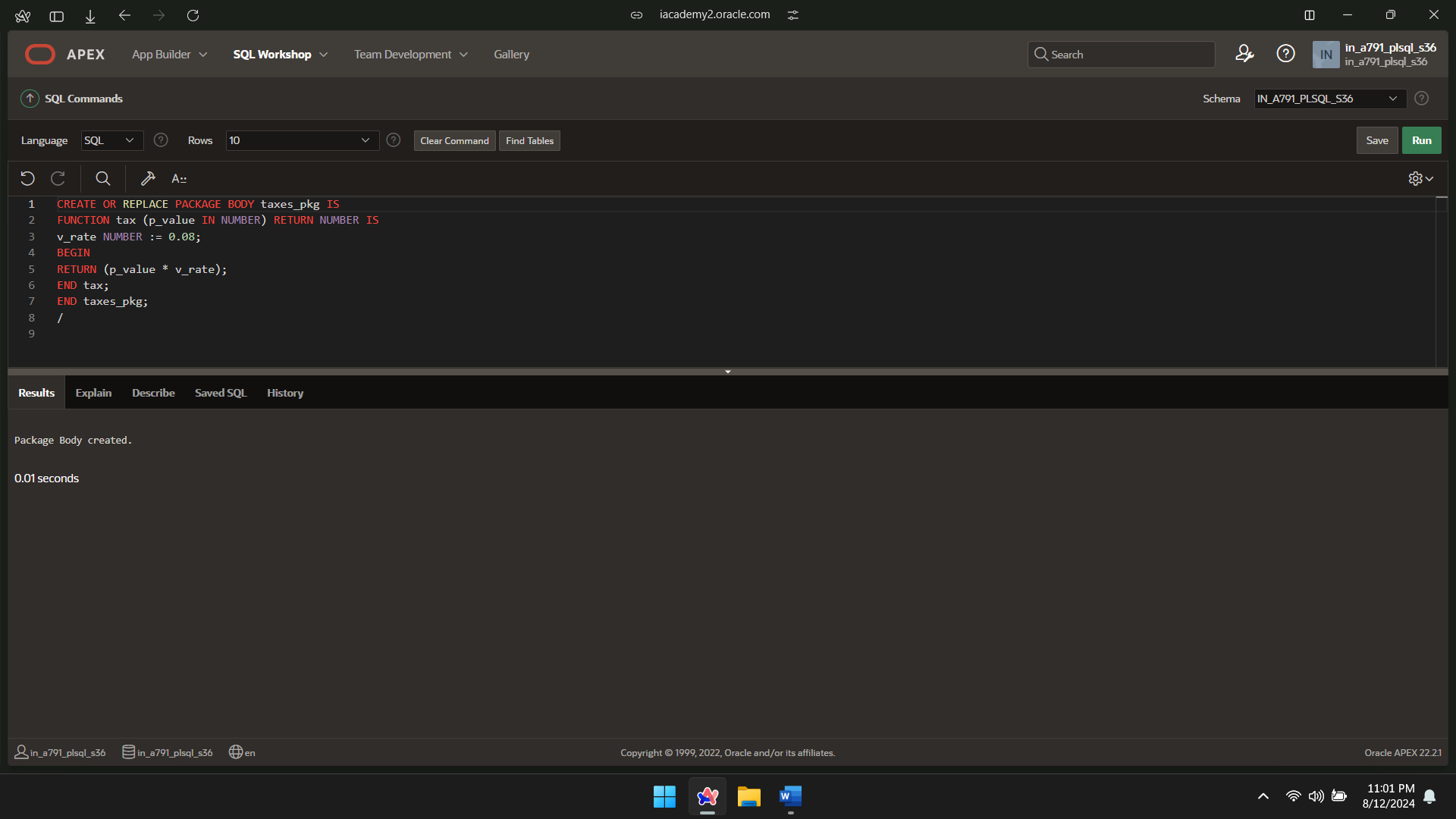
BEGIN

RETURN (p\_value \* v\_rate);

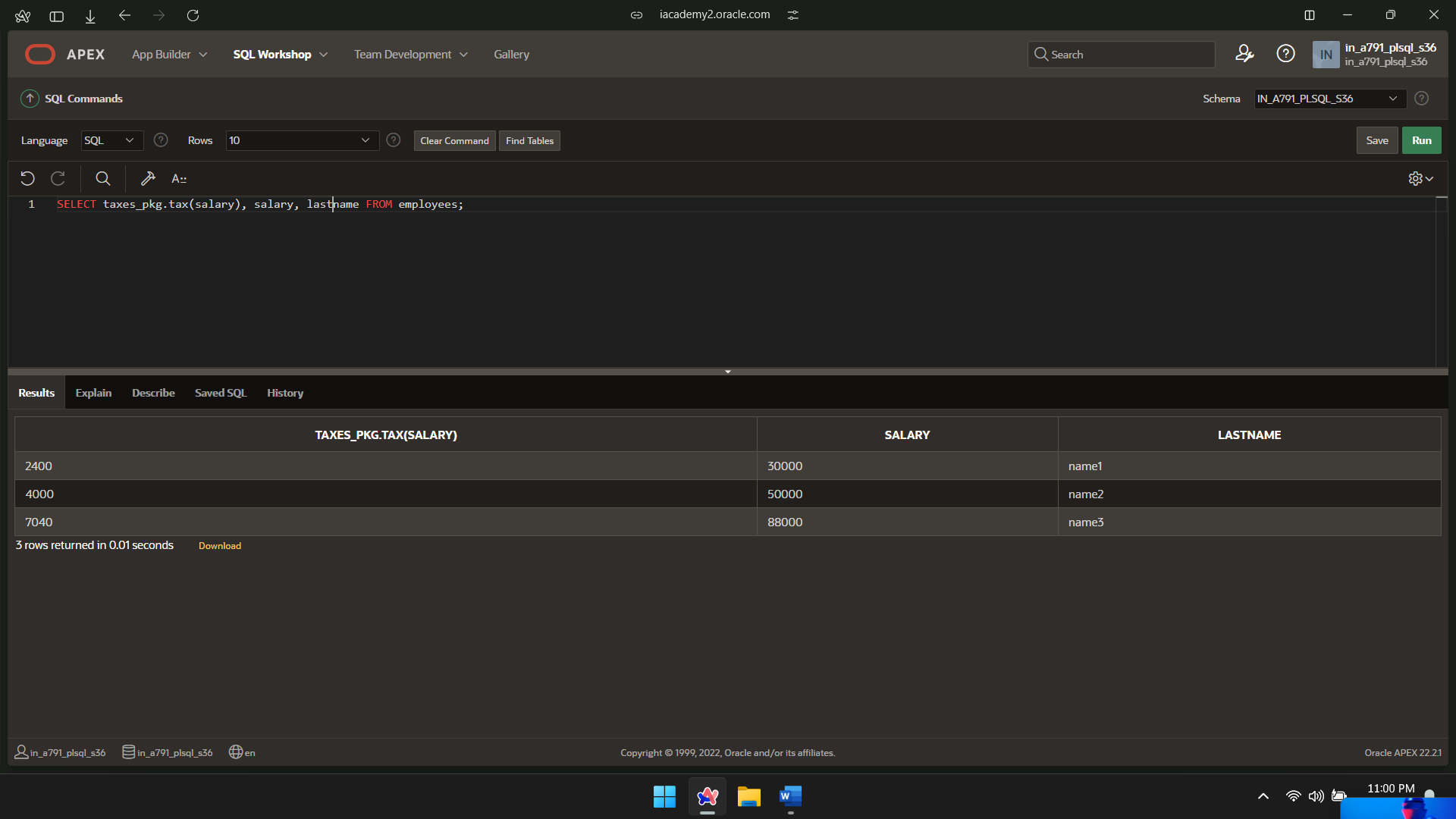
END tax;

END taxes\_pkg;

/



SELECT taxes\_pkg.tax(salary), salary, lastname FROM employees;



RECORD PACKAGE:

CREATE OR REPLACE PROCEDURE sel\_one\_emp (

p\_emp\_id IN employees.empid%TYPE,

p\_emprec OUT employees%ROWTYPE

)

IS

BEGIN

SELECT \*

INTO p\_emprec

FROM employees

WHERE empid = p\_emp\_id;

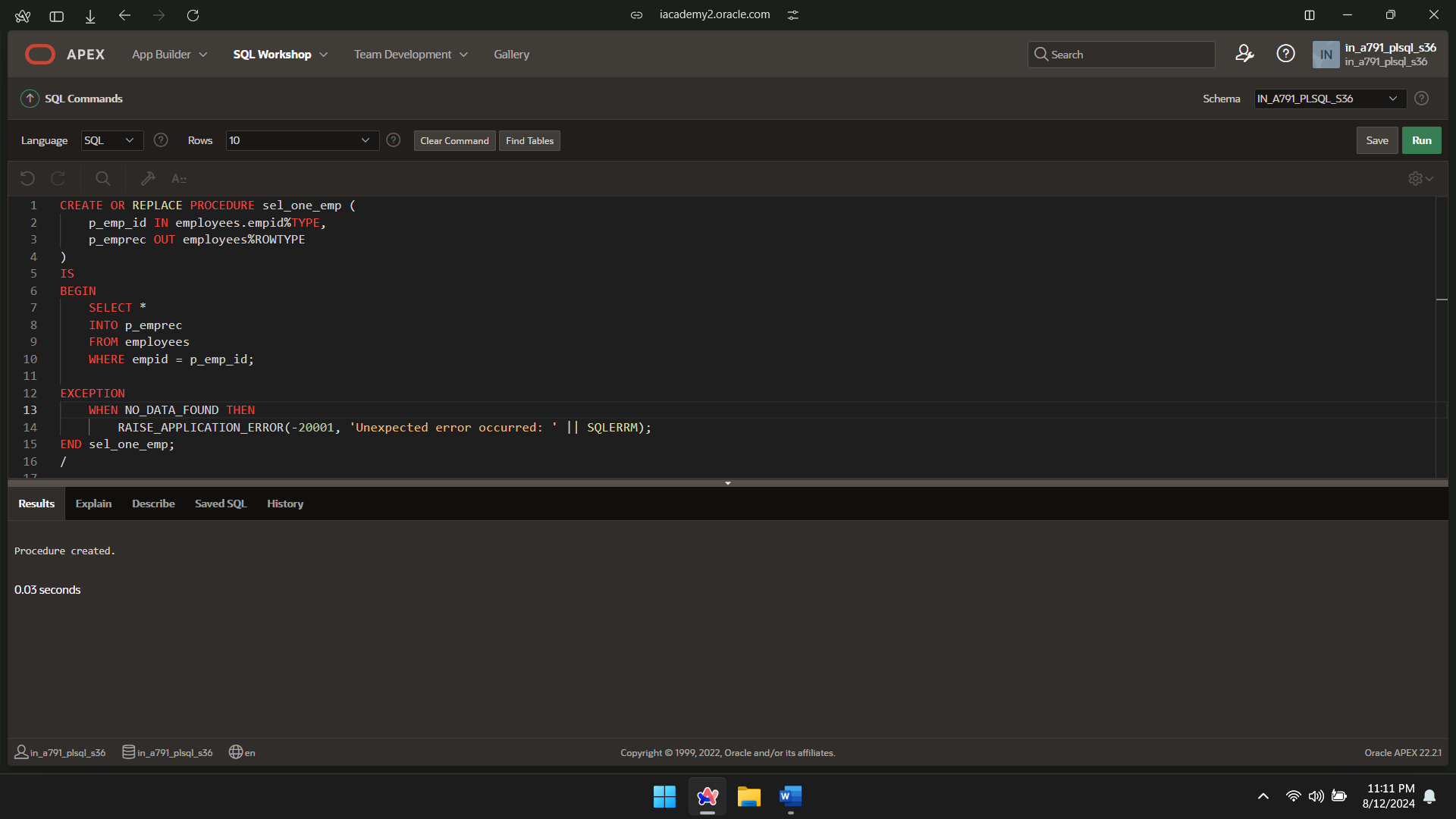
EXCEPTION

WHEN NO\_DATA\_FOUND THEN

RAISE\_APPLICATION\_ERROR(-20001, 'Unexpected error occurred: ' || SQLERRM);

END sel\_one\_emp;

/



RECORD PACKAGE INVOKE:

DECLARE

v\_emprec employees%ROWTYPE;

BEGIN

sel\_one\_emp(100, v\_emprec);

IF v\_emprec.empid IS NOT NULL THEN

dbms\_output.put\_line('Last Name: ' || v\_emprec.lastname);

ELSE

dbms\_output.put\_line('No data found for the given employee ID.');

END IF;

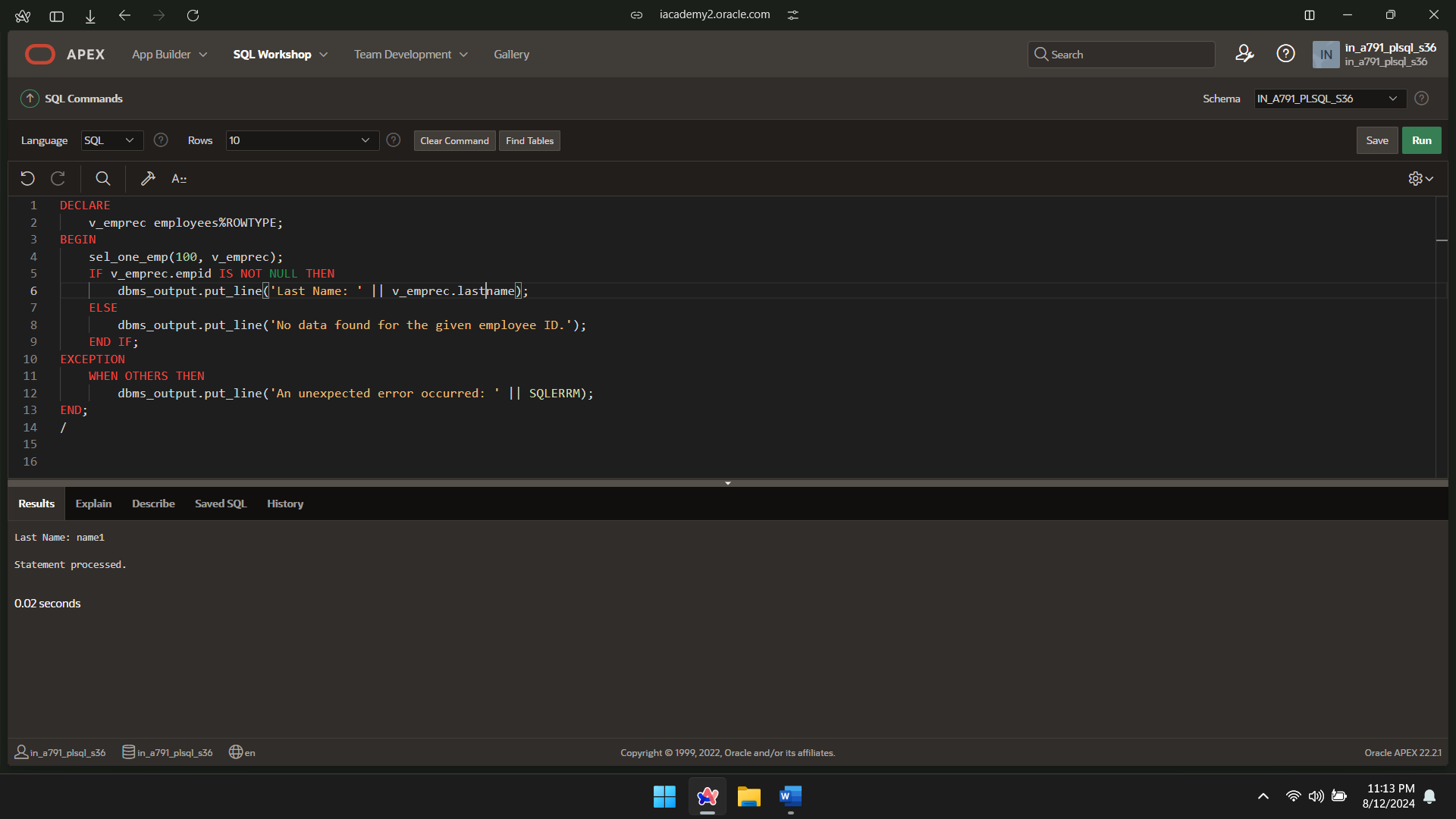
EXCEPTION

WHEN OTHERS THEN

dbms\_output.put\_line('An unexpected error occurred: ' || SQLERRM);

END;

/



User-Defined Package:

CREATE OR REPLACE PACKAGE emp\_dept\_pkg

IS

TYPE ed\_type IS RECORD (

f\_name employees1.firstname%TYPE,

l\_name employees1.lastname%TYPE,

d\_name departments1.departmentname%TYPE

);

PROCEDURE sel\_emp\_dept (

p\_emp\_id IN employees.empid%TYPE,

p\_emp\_dept\_rec OUT ed\_type

);

END emp\_dept\_pkg;

/

