ORACLE LAB

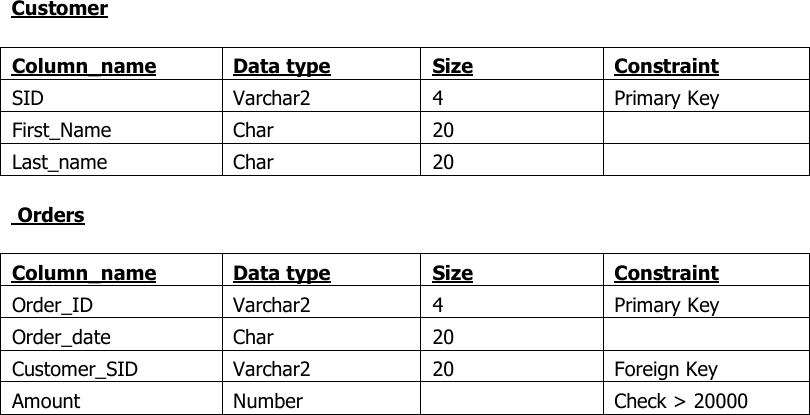
BCA-DS-552

**Manav Rachna International Institute of Research and Studies School of Computer Applications**

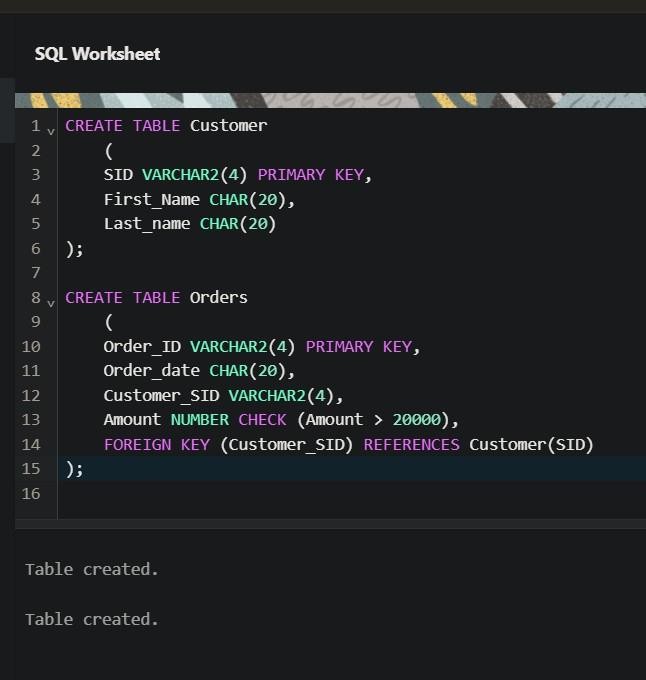
**Department of Computer Applications**

|  |  |
| --- | --- |
| **Submitted By** | |
| **Student Name** | **Gautam Kumar** |
| **Roll No** | **22/FCA/BCA(AI&ML)/012** |
| **Program** | **Bachelor of Computer Applications** |
| **Semester** | **5th Semester** |
| **Section** | **E** |
| **Department** | **Computer Applications** |
| **Batch** | **2022-25** |
|  | |
| **Submitted To** | |
| **Faculty Name** | **Ms. Iram Fatima** |

|  |  |
| --- | --- |
|  | **SCHOOL OF COMPUTER APPLICATIONS** |

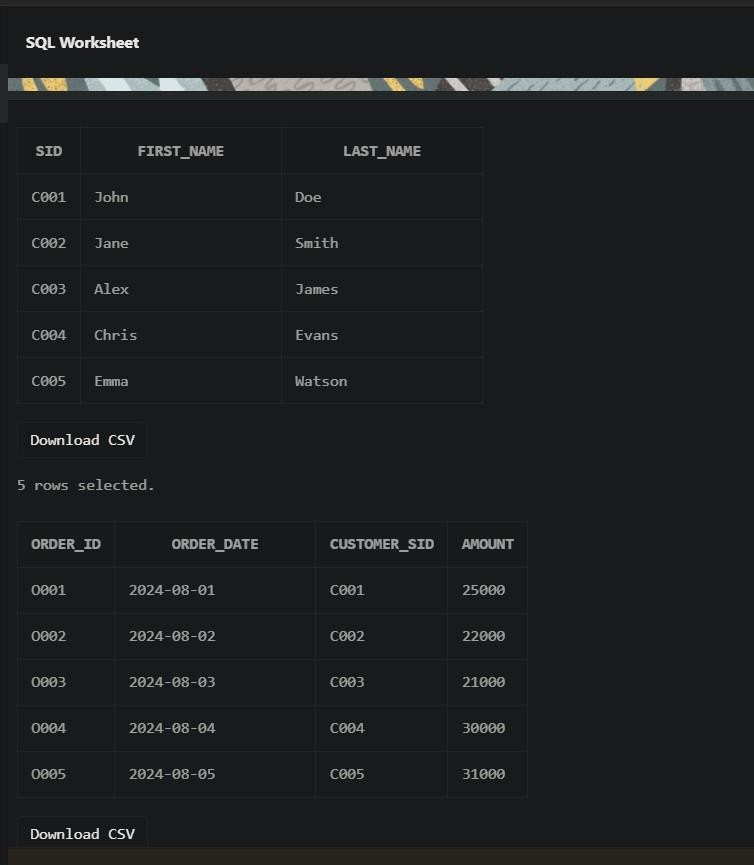
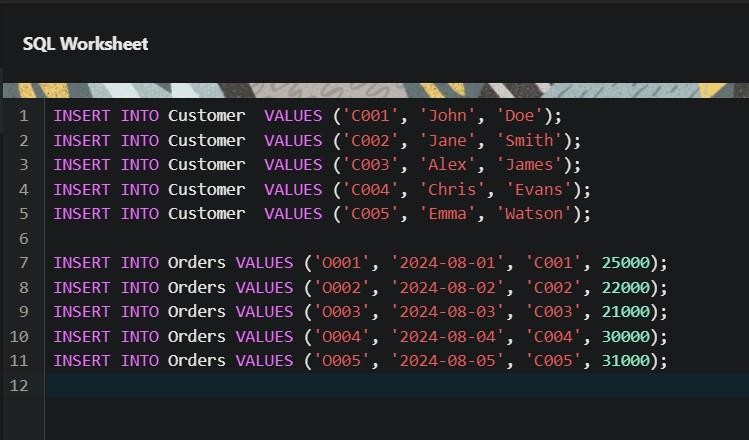
**AIM**: Create the following table.

### Output:



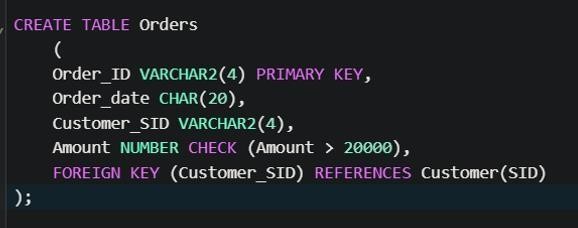
**AIM:** Insert 5 records for each table.

### Output:



**AIM:** Customer SID column in the ORDERS table is a foreign key pointing to the SIDcolumn in the CUSTOMER table.

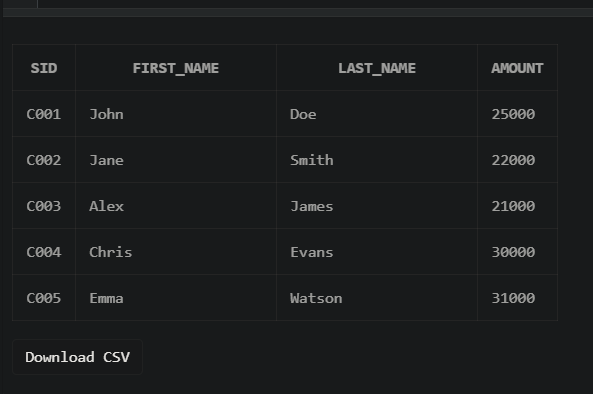
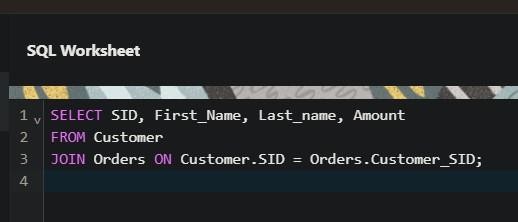
**Output:**



# EXERCISE 4

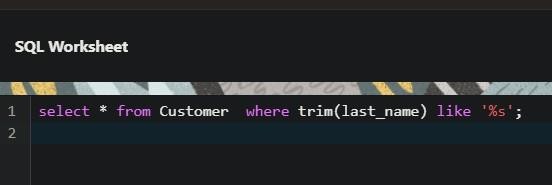
**AIM:** List the details of the customers along with the amount.

### Output:



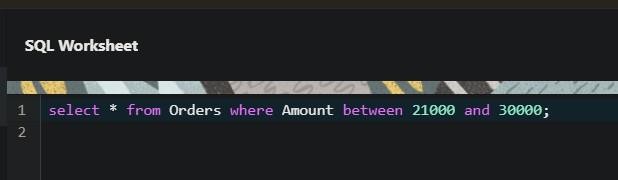
**AIM:** List the customers whose names end with “s”.

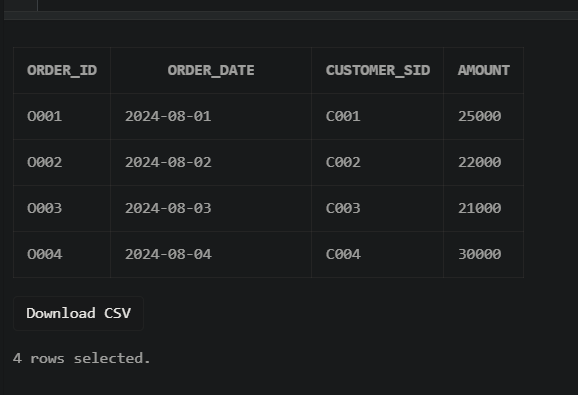
### Output:



**AIM:** List the orders where amount is between 21000 and 30000

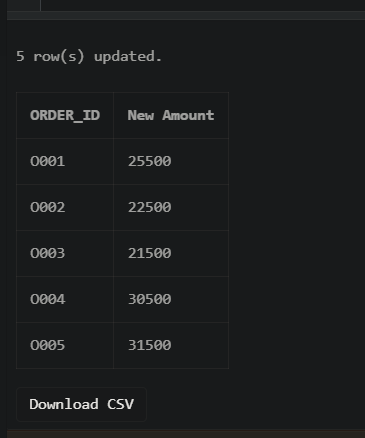
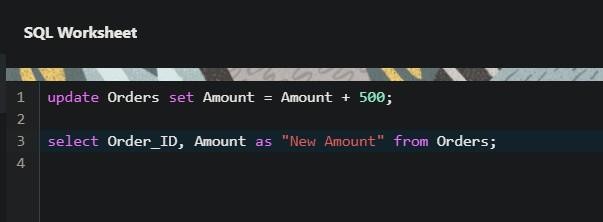
### Output:





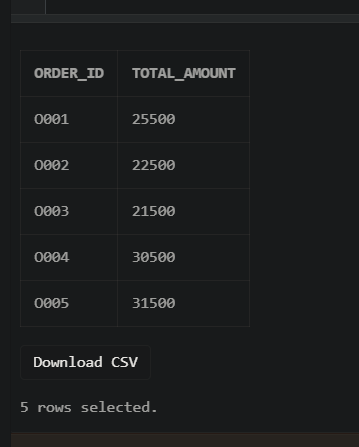
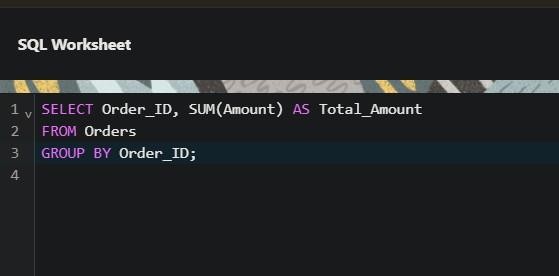
**AIM:** List the orders where amount is increased by 500 and replace with name “newamount”**.**

### Output:



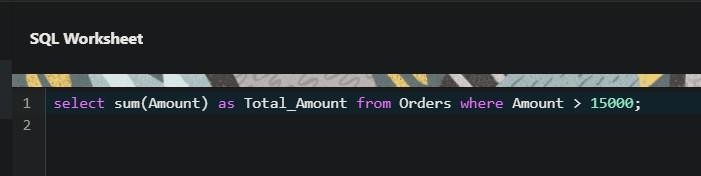
**AIM:** Display the order\_id and total amount of orders.

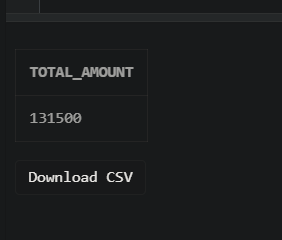
### Output:



**AIM:** Calculate the total amount of orders that has more than 15000.

### Output:



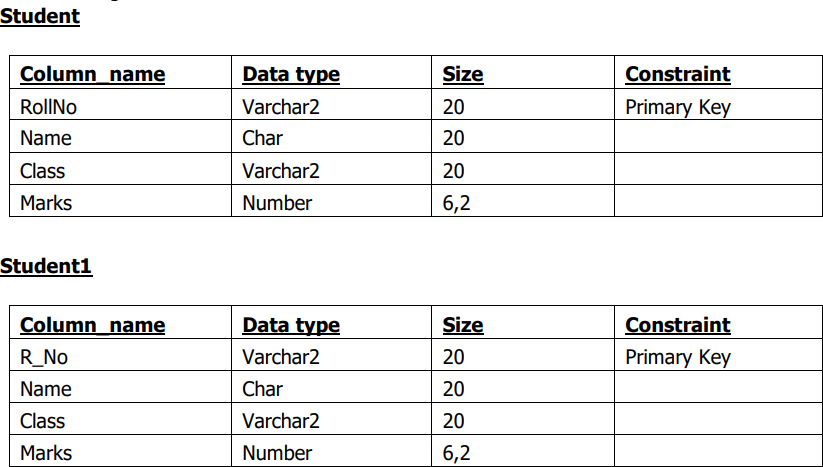


SELECT

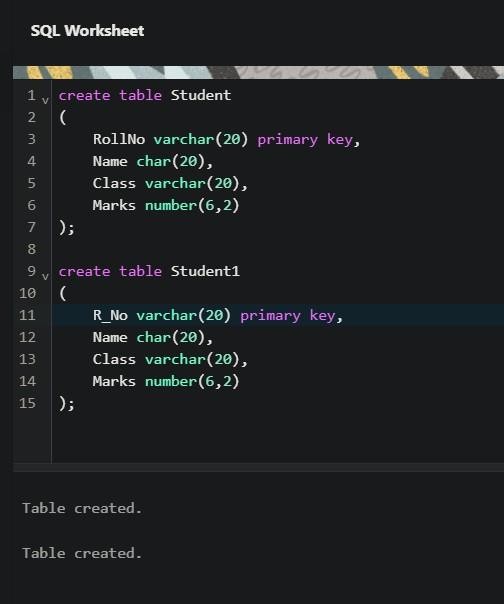
LOWER('ORACLE') AS "Lowercase", -- Converts string to lowercase UPPER('oracle') AS "Uppercase", -- Converts string to uppercase SUBSTR('ORACLE', 2, 3) AS "Substring", -- Extracts substring LENGTH('ORACLE') AS "Length”, -- Returns length of string INSTR('ORACLE', 'A') AS "Position", -- Returns position of a character LPAD('123', 5, '0') AS "Left Padding", -- Pads a string on the left RPAD('123', 5, '0') AS "Right Padding",-- Pads a string on the right TRIM('O' FROM 'ORACLE') AS "Trimmed" -- Trims a specified character

FROM DUAL;

**AIM:** Create the following tables.

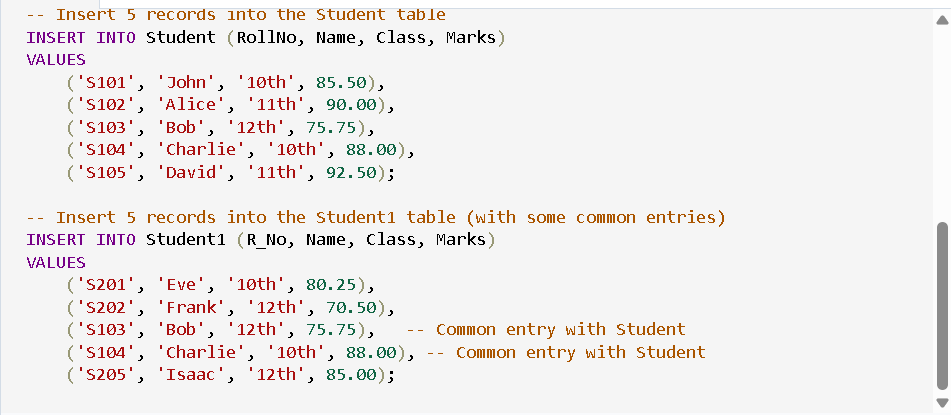


**Output:**

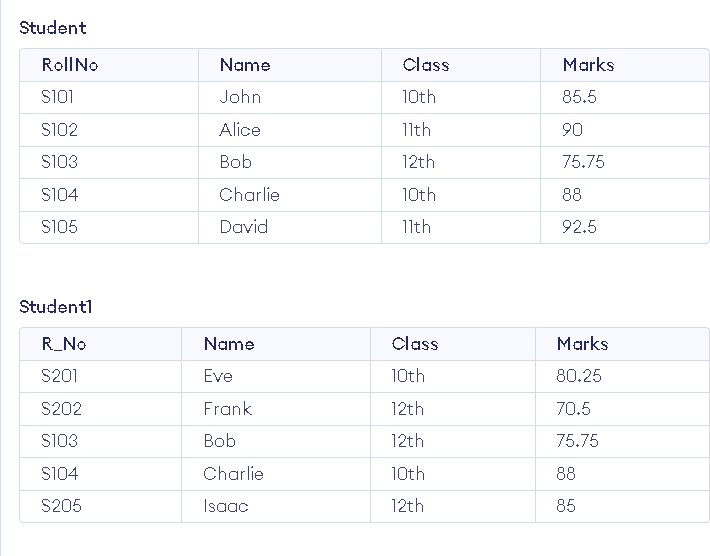


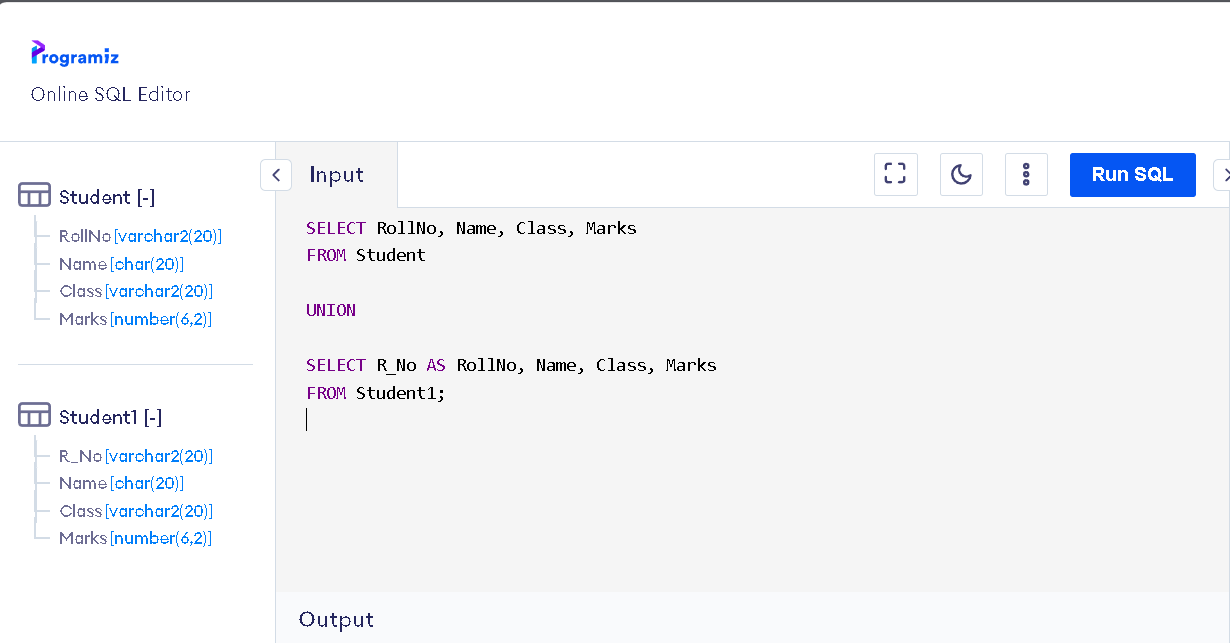
# EXERCISE 12

**AIM:** Display all the contents of student and student1 using union clause.First insert 5 records in each table i.e. Student and Student1



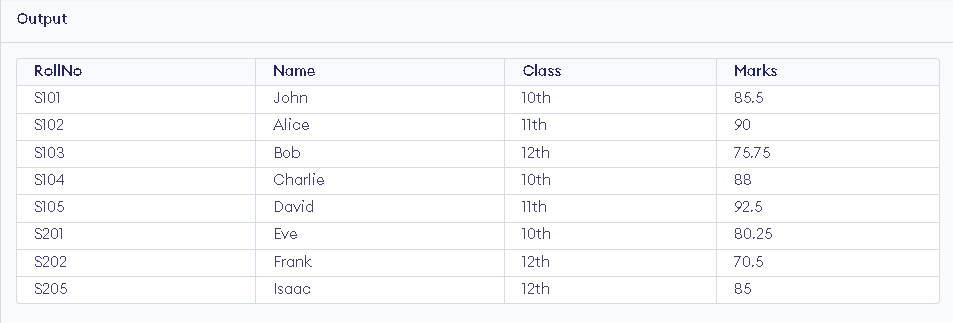
**Output:**



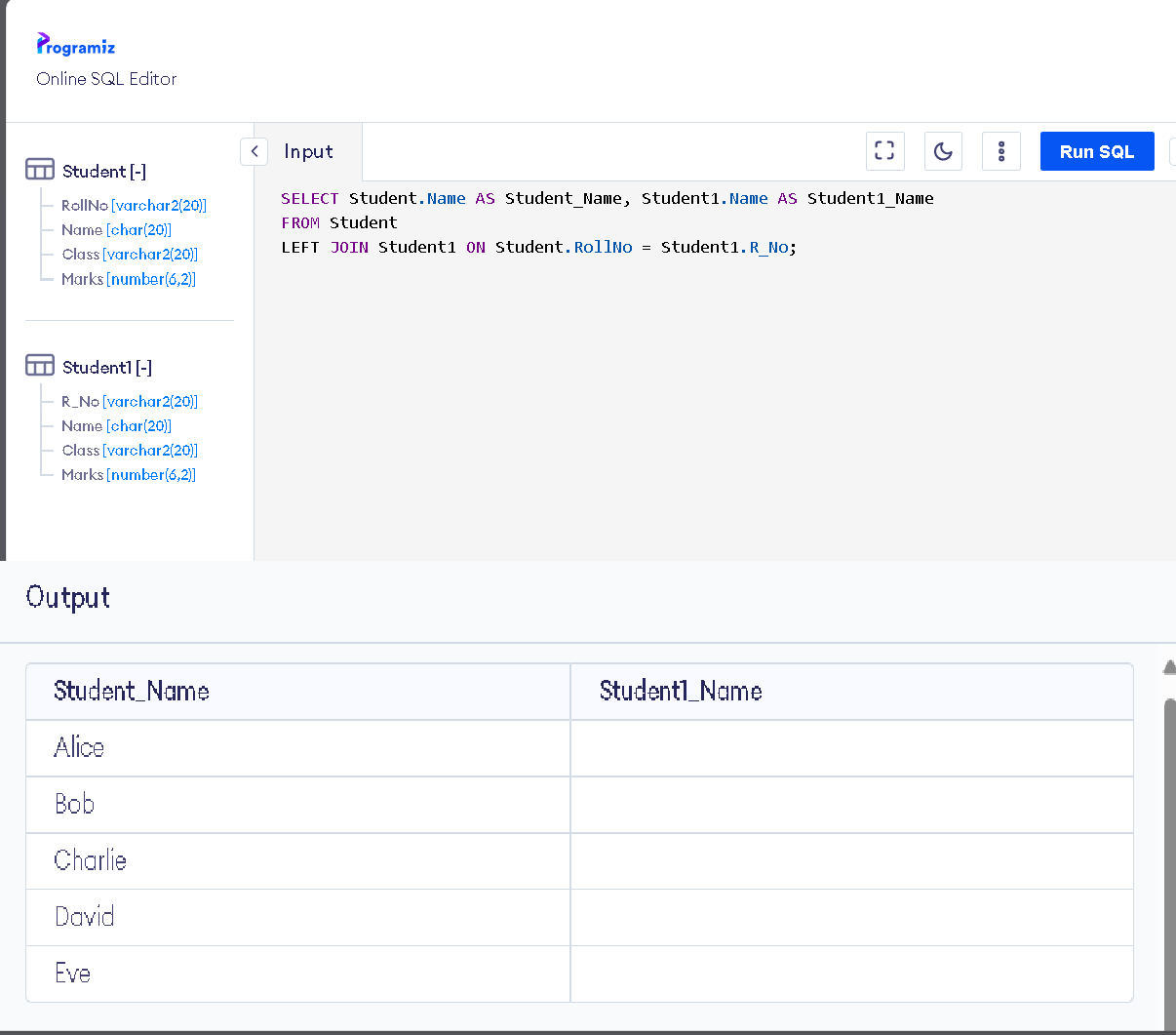
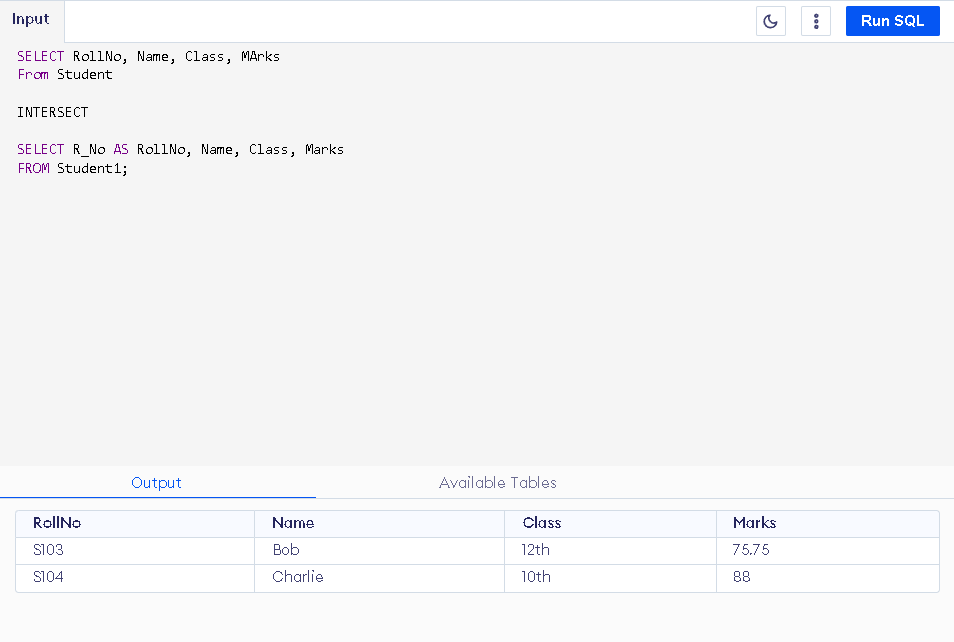


**Now union:**

**Output:**

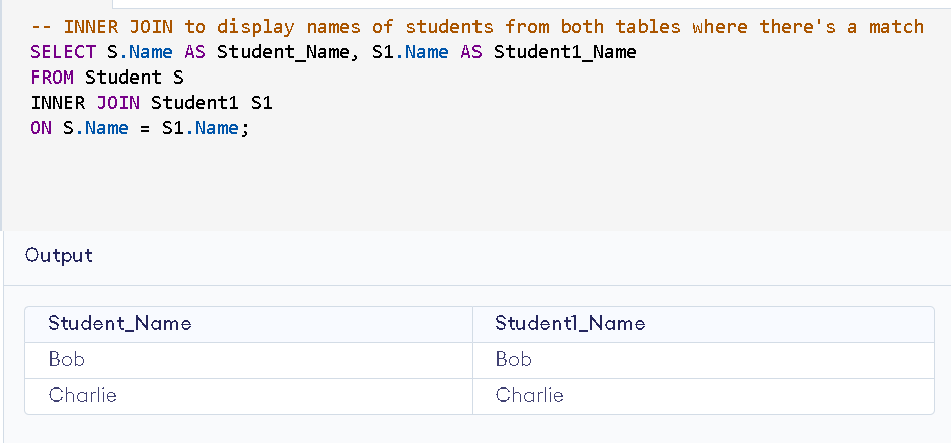


**AIM:** Find out the intersection of student and student1 tables.

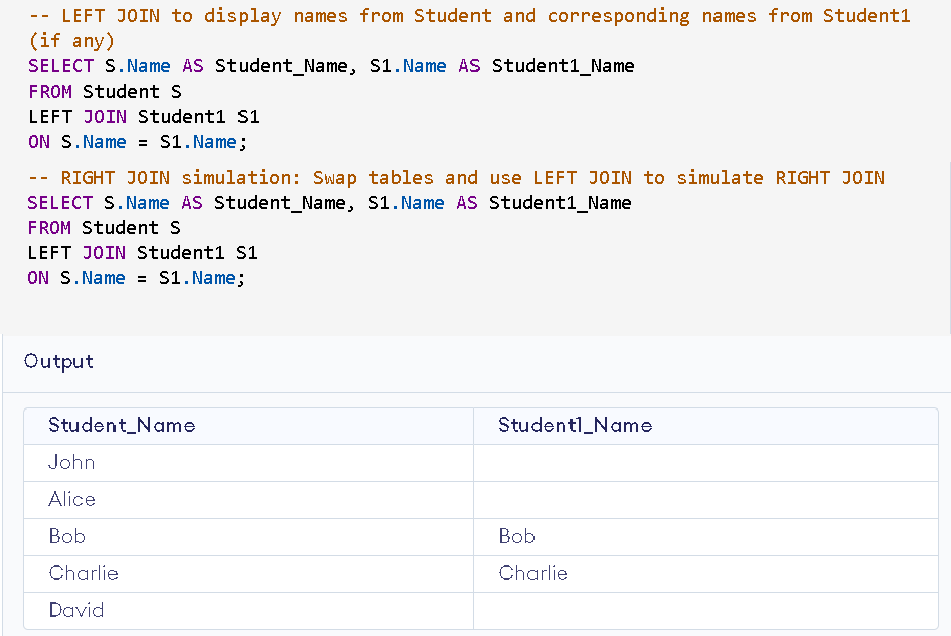


**AIM**: Display the names of student and student1 tables using left, right, inner and full join.

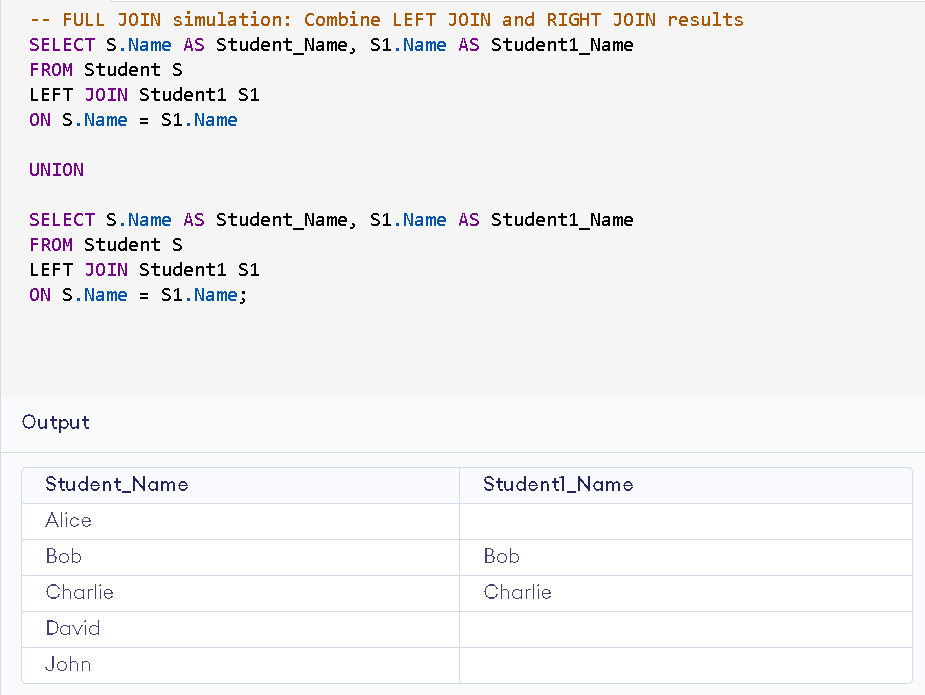
**INNER JOIN**



**LEFT JOIN AND RIGHT JOIN**



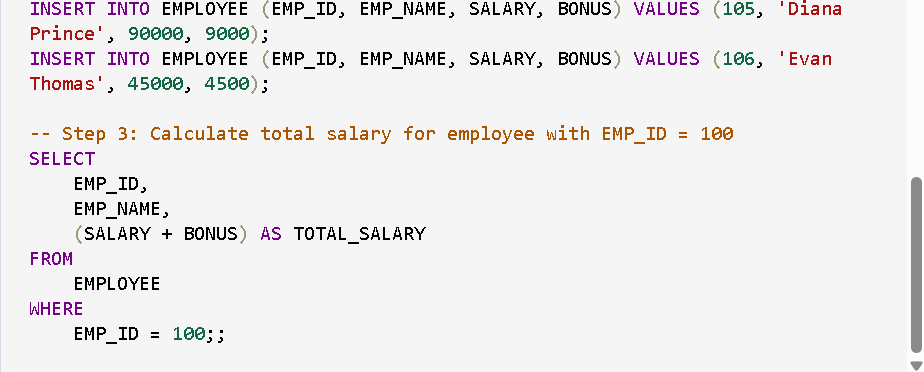
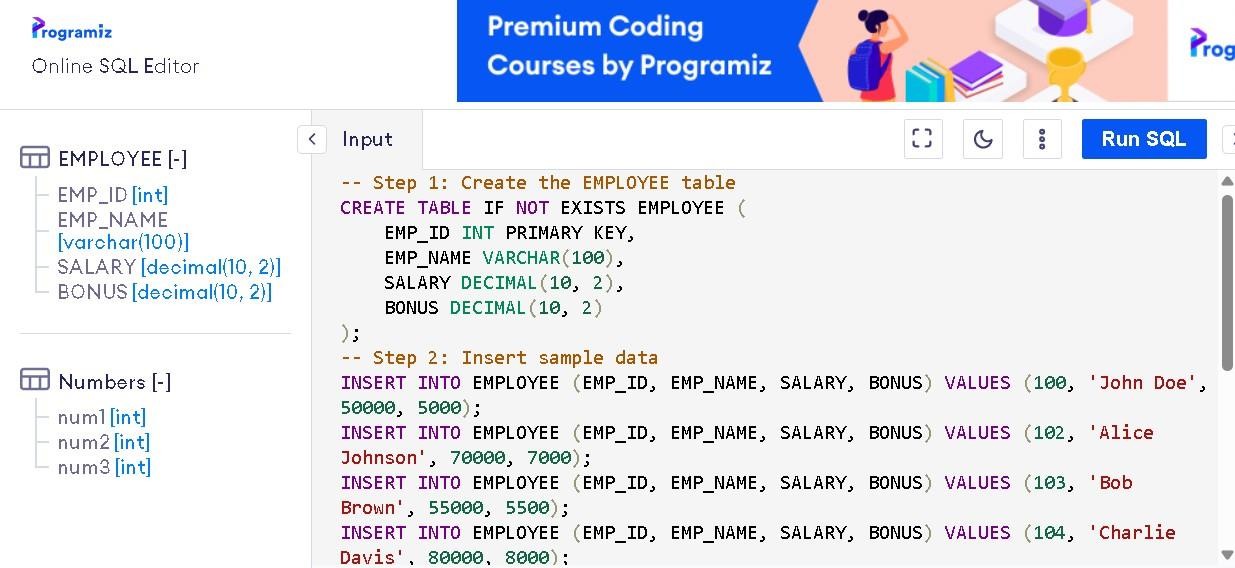
**FULL JOIN**



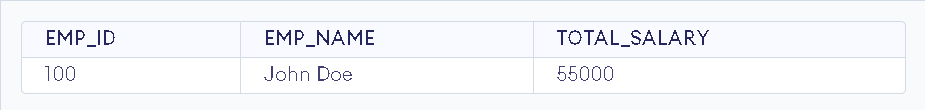
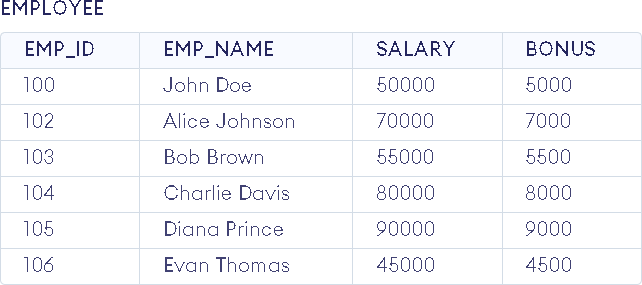
# Exercise 15

**AIM:** To Write a PL/SQL block to calculate total salary of employee

having employee number100.

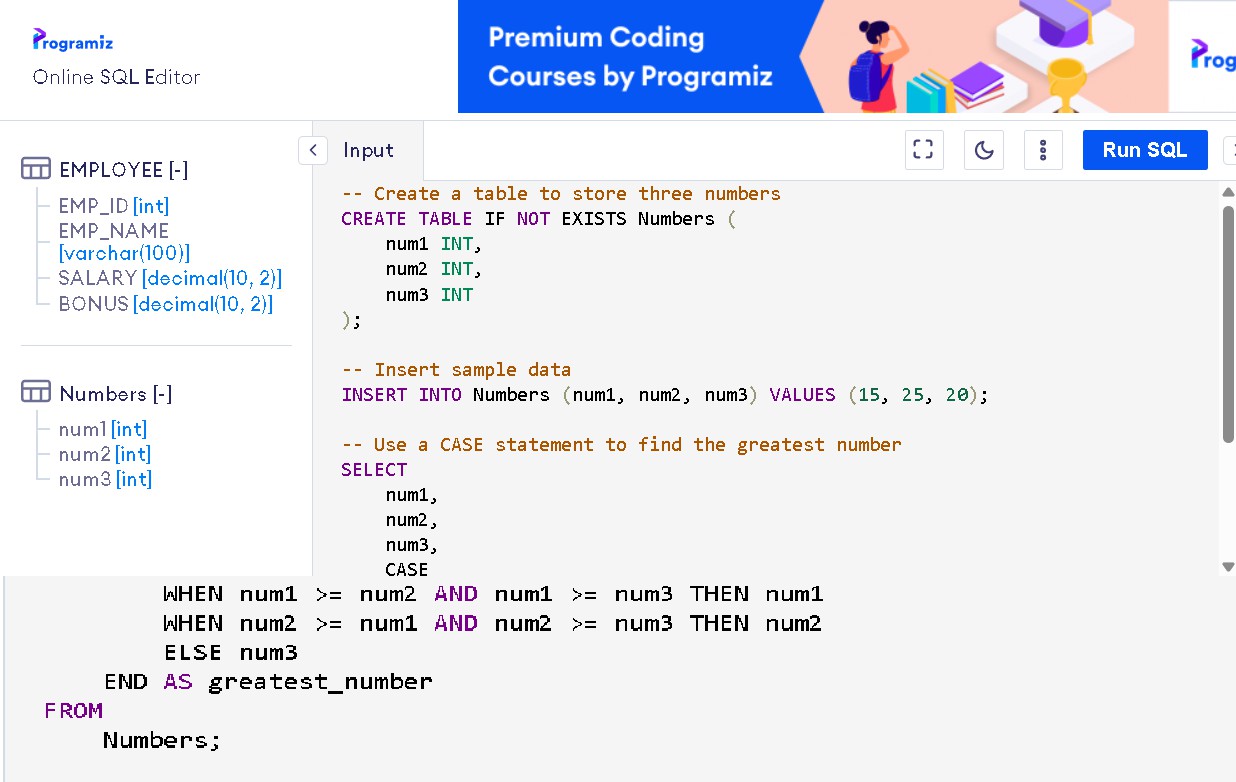


**OUTPUT:**

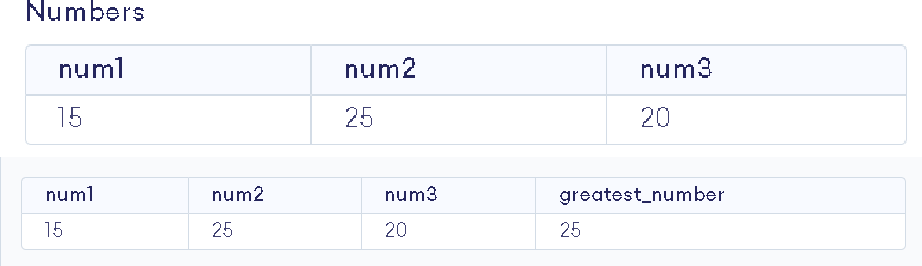


# EXERCISE 16

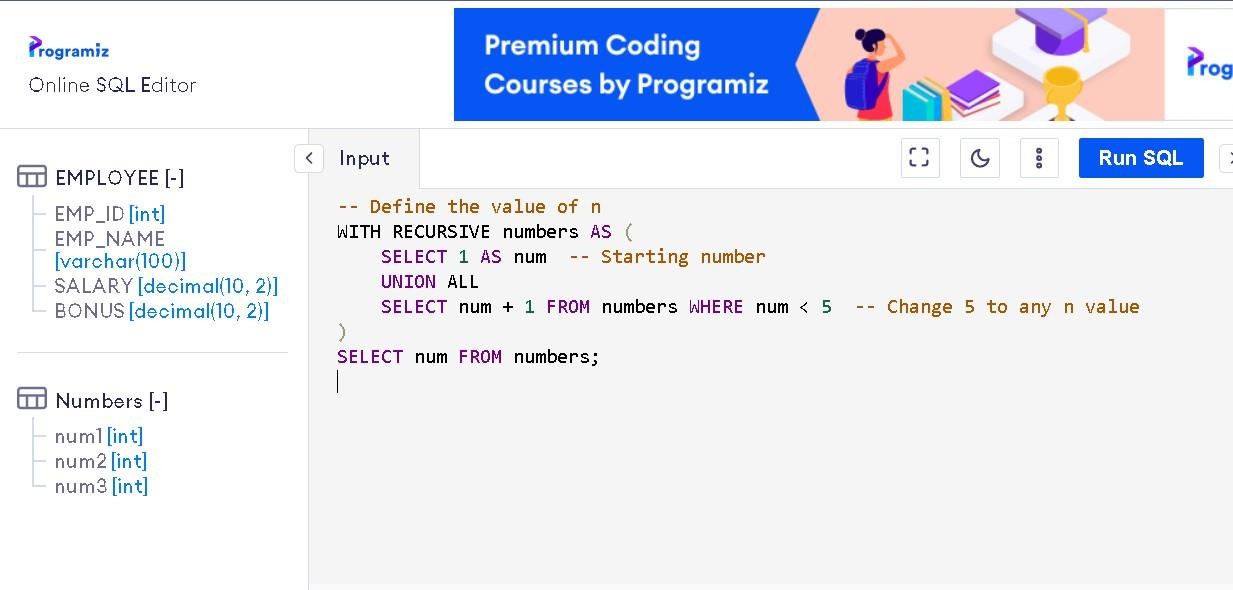
**AIM:** To Write a PL/SQL code to find the greatest of three numbers.



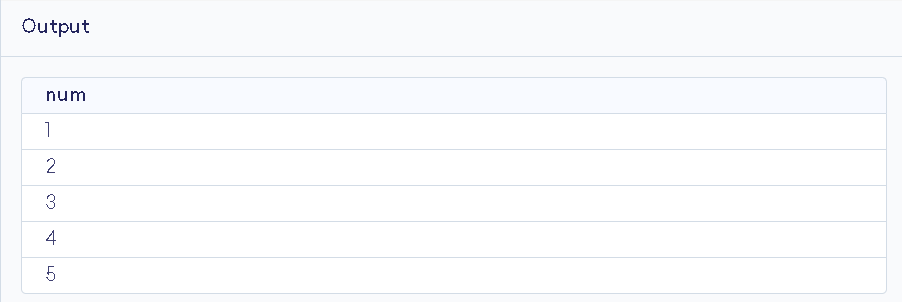
## OUTPUT:



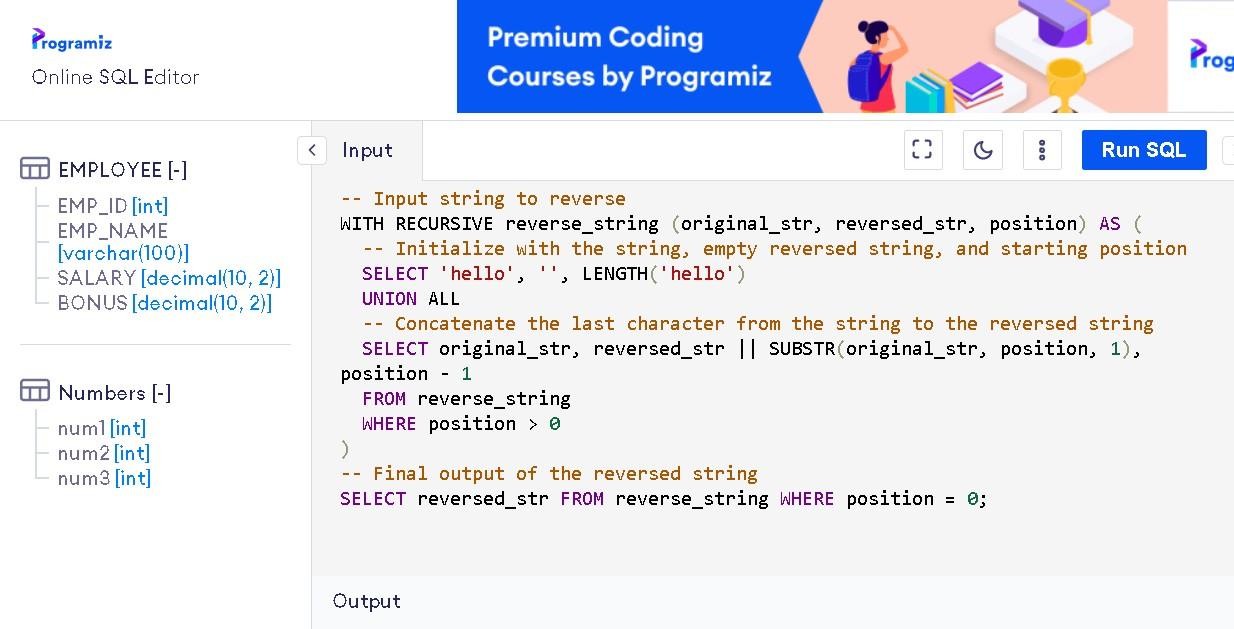
**AIM:** To Write a PL/SQL code to print the numbers from 1 to n.



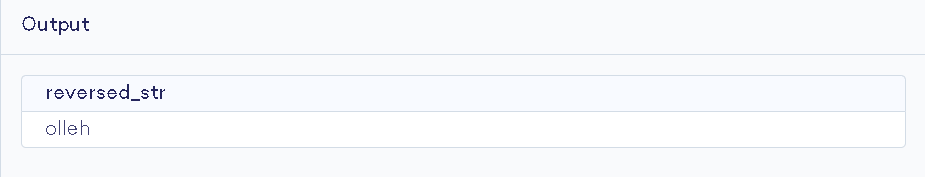
## OUTPUT:



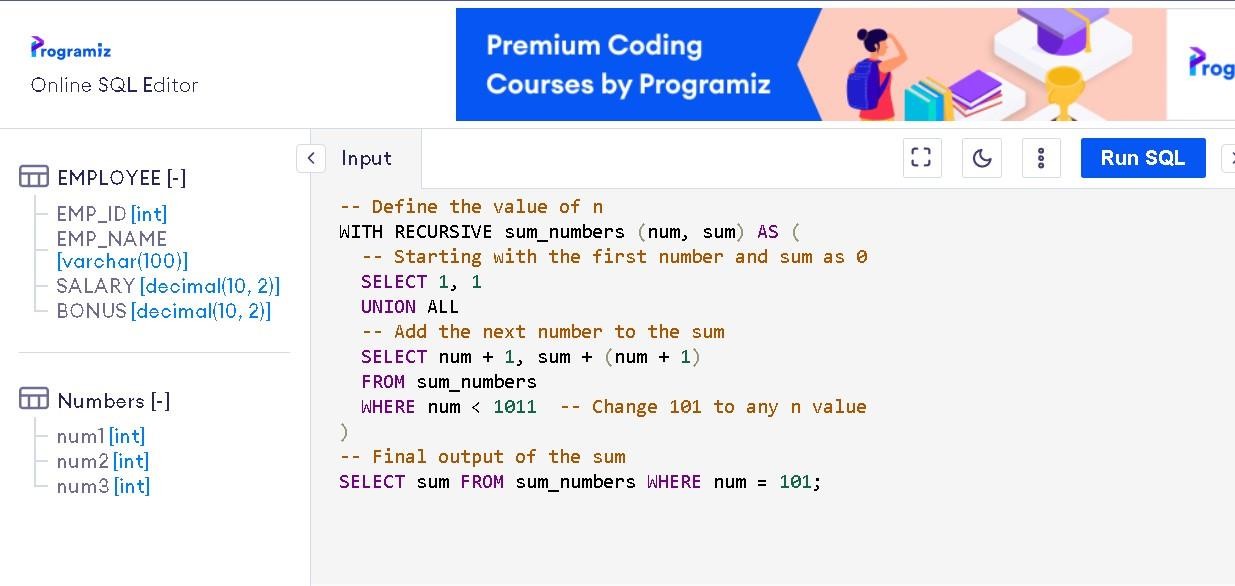
**AIM:** To Write a PL/SQL code to reverse a string using for loop.



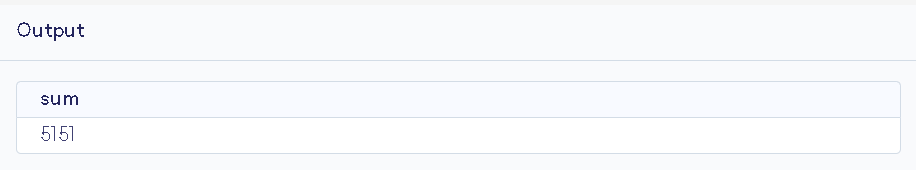
## OUTPUT:



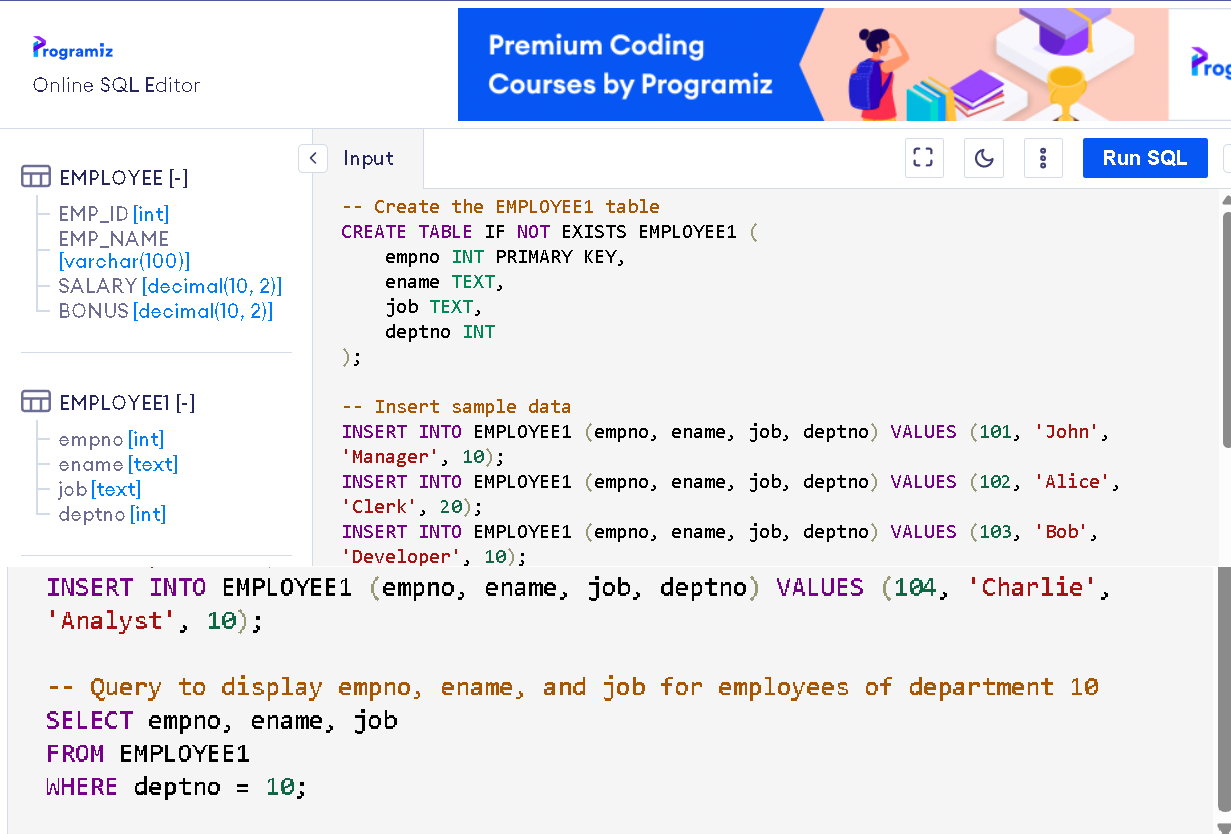
**AIM:** To Write a PL/SQL code to find the sum of n numbers.



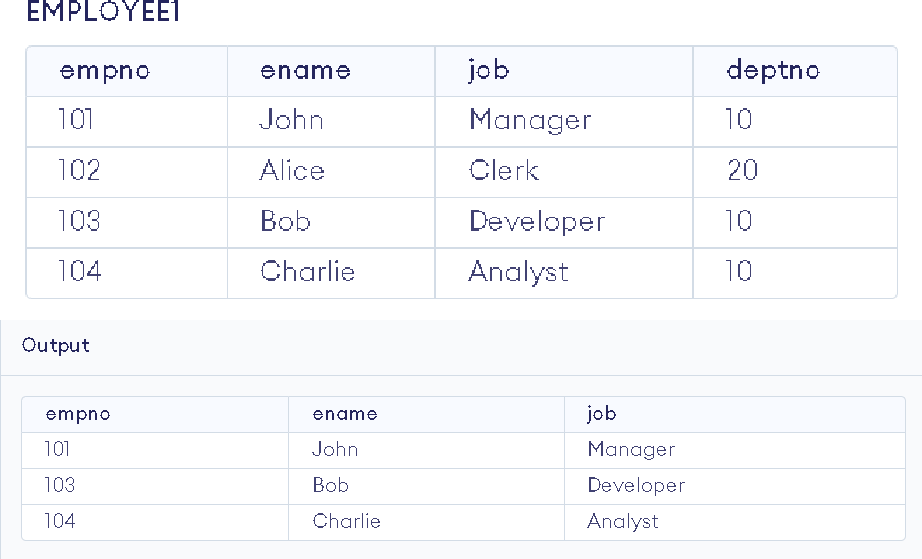
## OUTPUT:



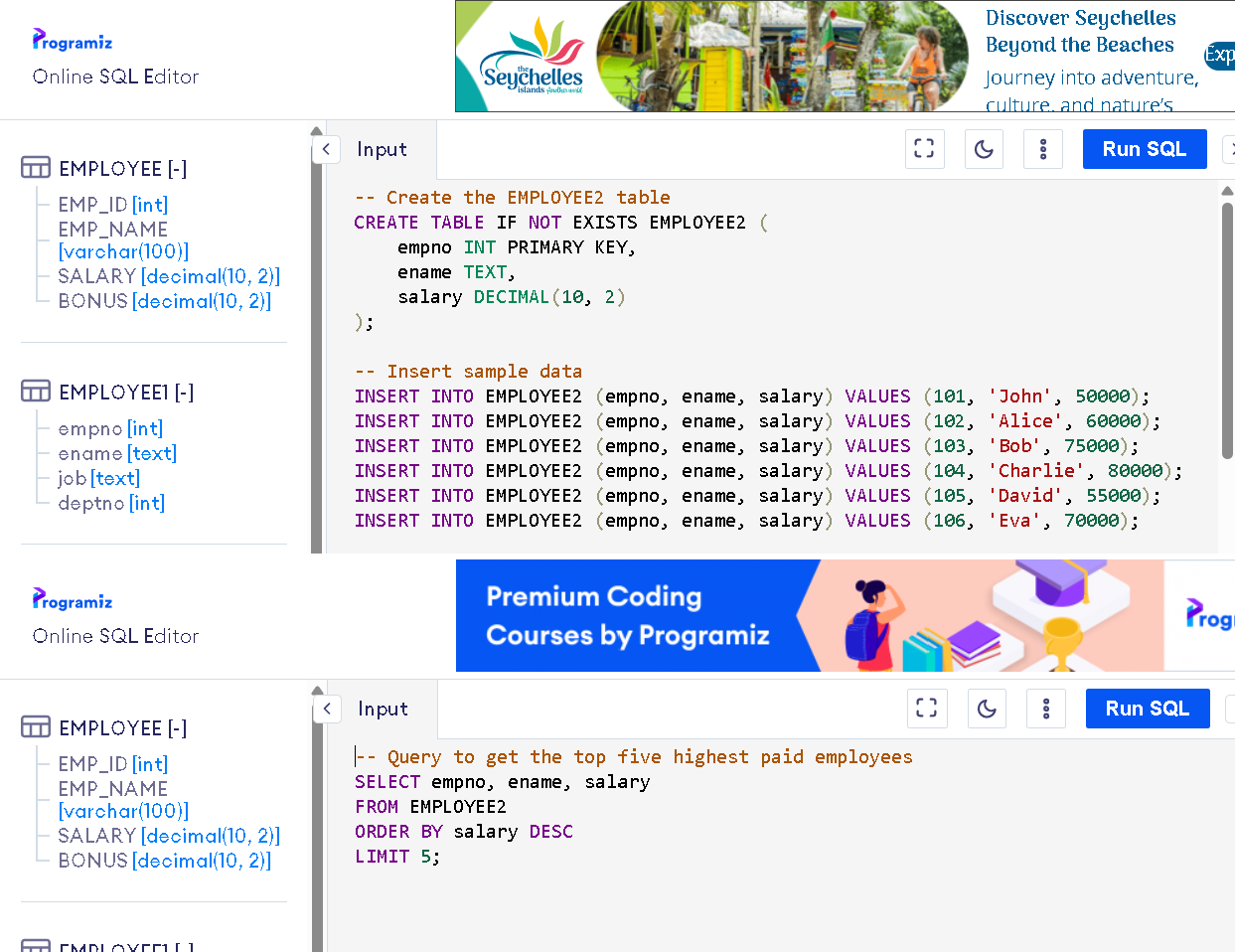
**AIM:** To Consider a PL/SQL code to display the empno, ename, job of employees of departmentnumber 10.



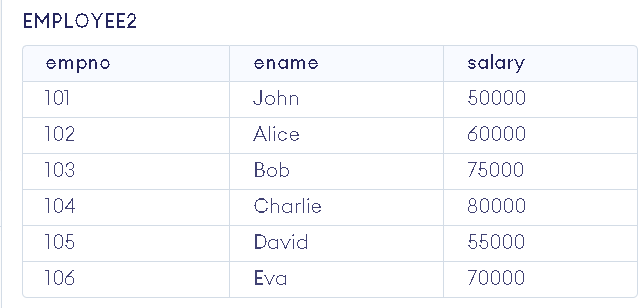
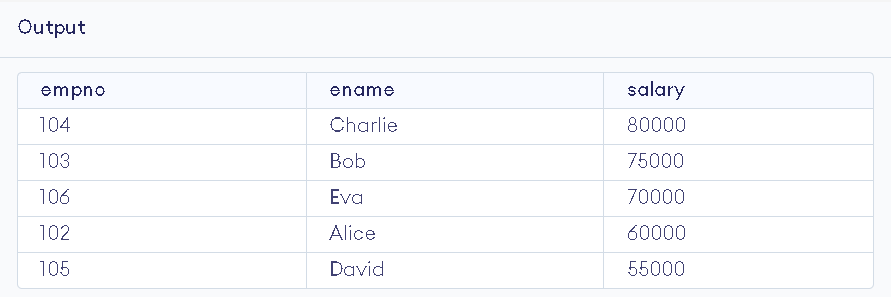
## OUTPUT:



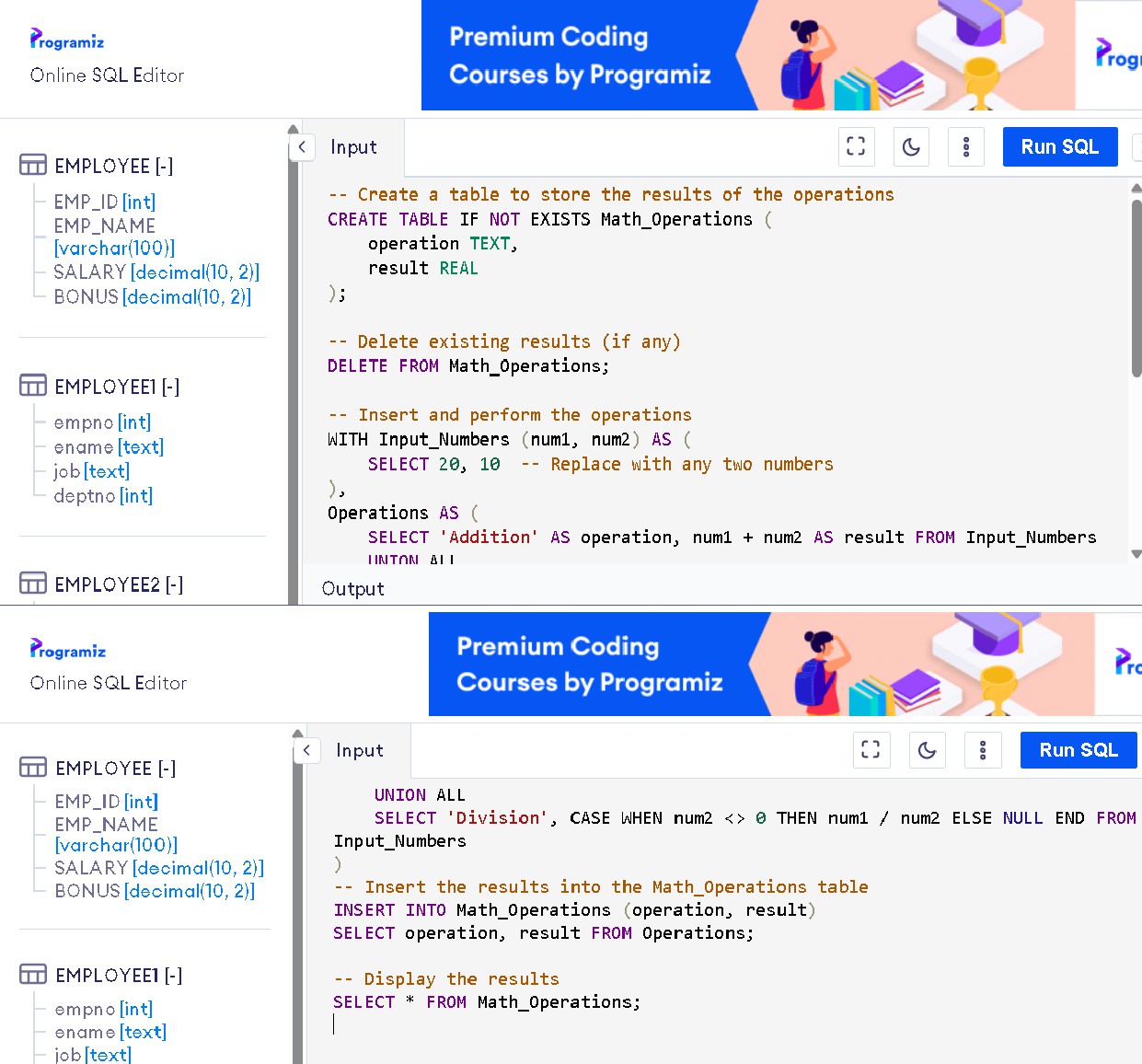
**AIM:** To Consider a PL/SQL code to display the employee number & name of top five highestpaid employees.



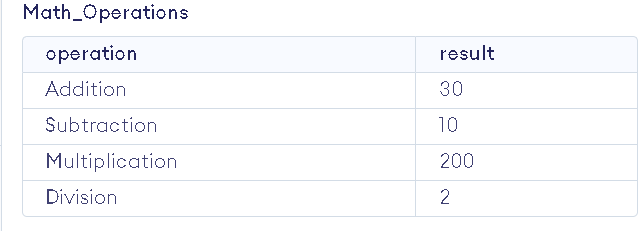
## OUTPUT:

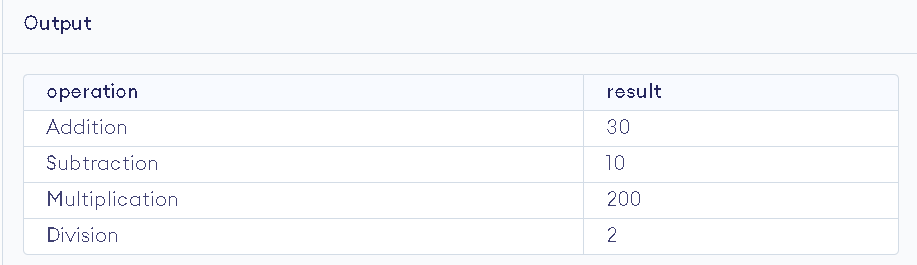


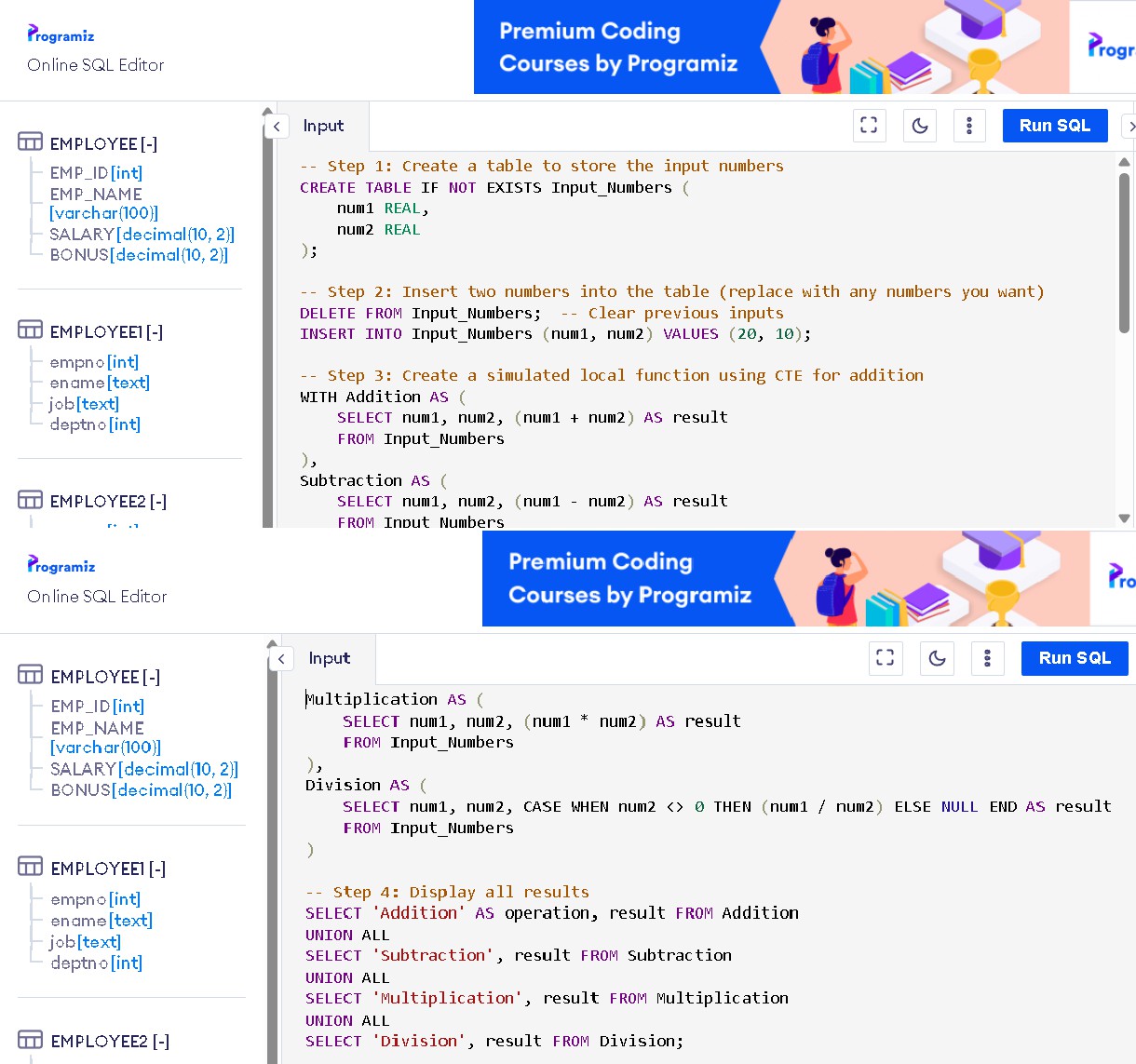
**AIM:** To Consider a PL/SQL procedure that accepts 2 numbers & return addition, subtraction,multiplication & division of two numbers using stored procedure AND local procedure.



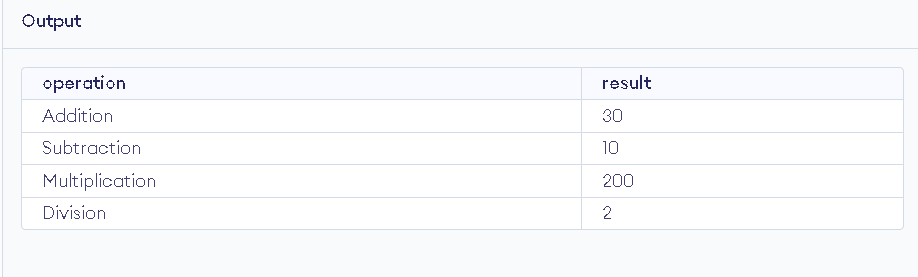
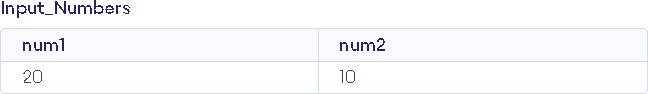
## OUTPUT:

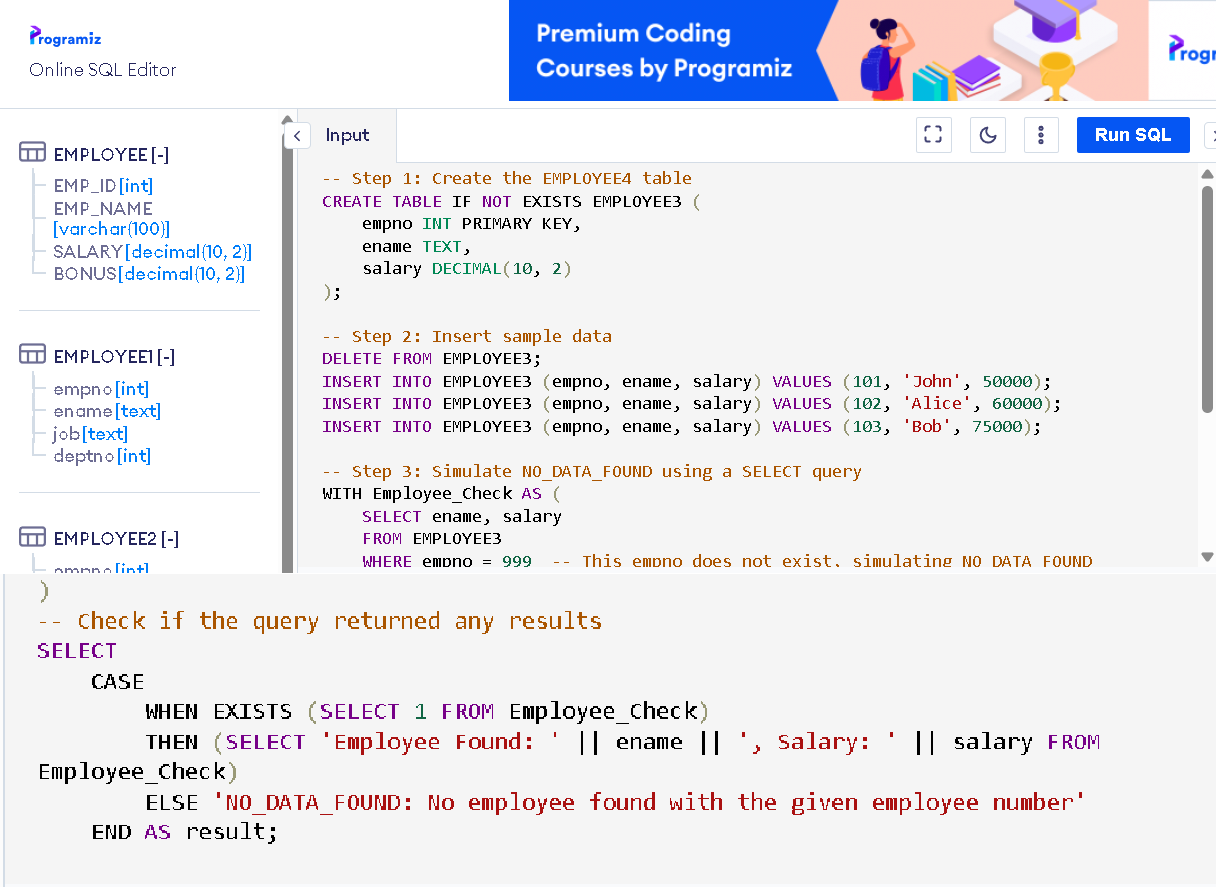




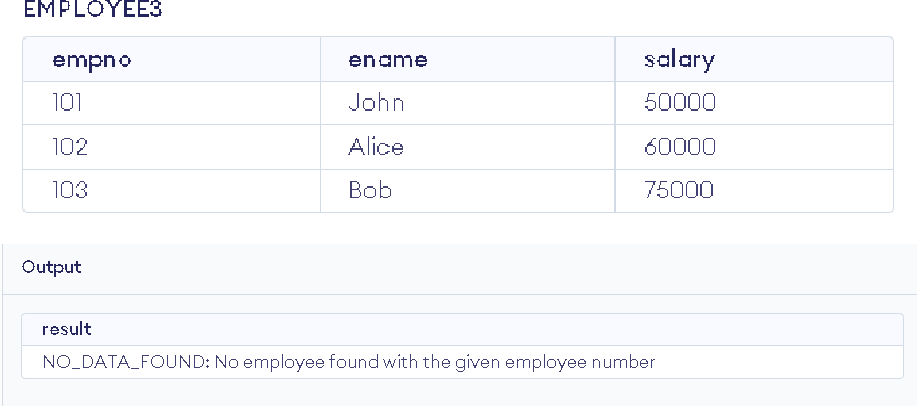
**AIM:** To Consider a PL/SQL code that accepts 2 numbers & return addition, subtraction,multiplication & division of two numbers using stored functions and local function.

## OUTPUT:

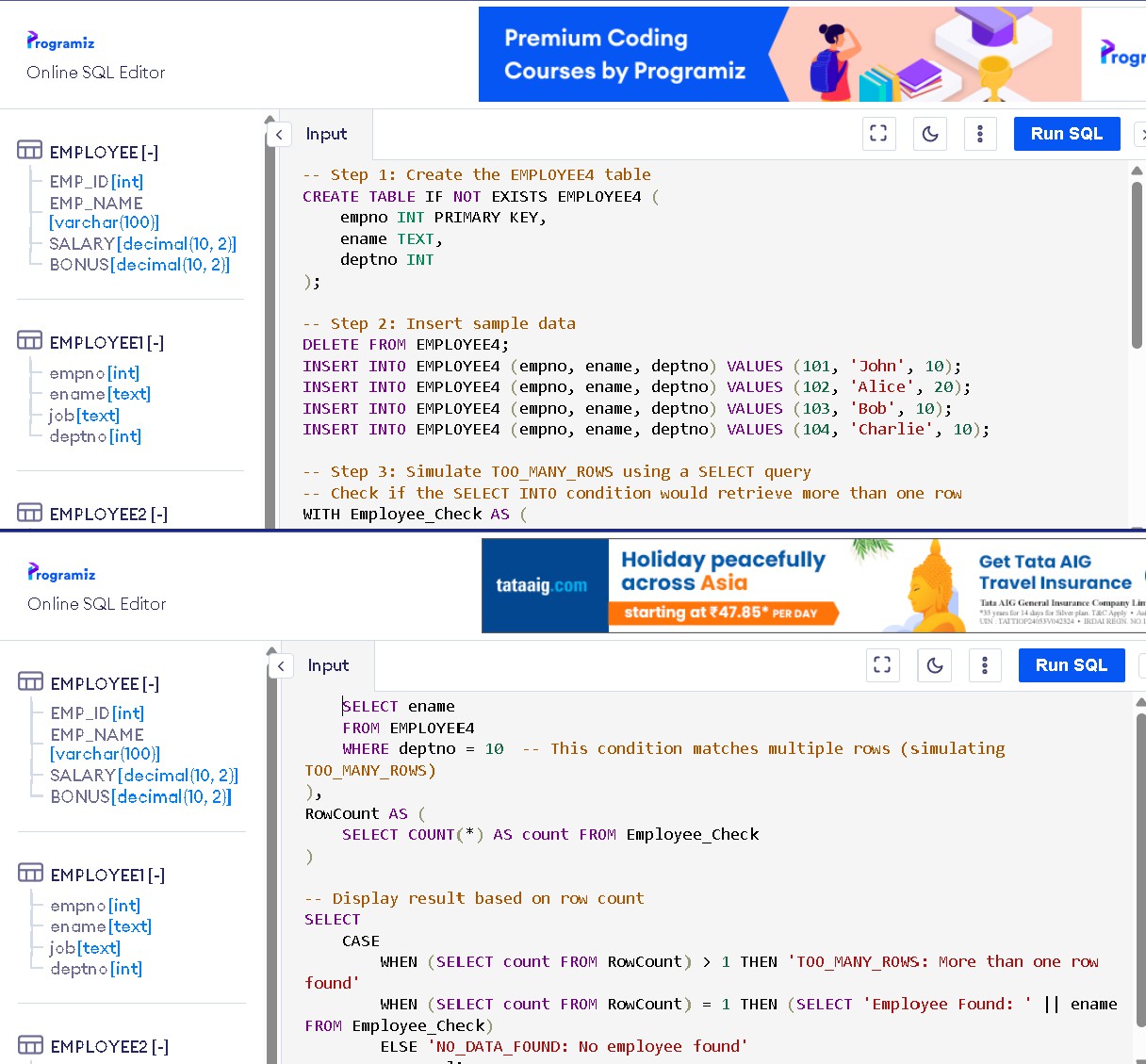


**AIM:** To Write a PL/SQL block to show the use of NO\_DATA FOUND exception.

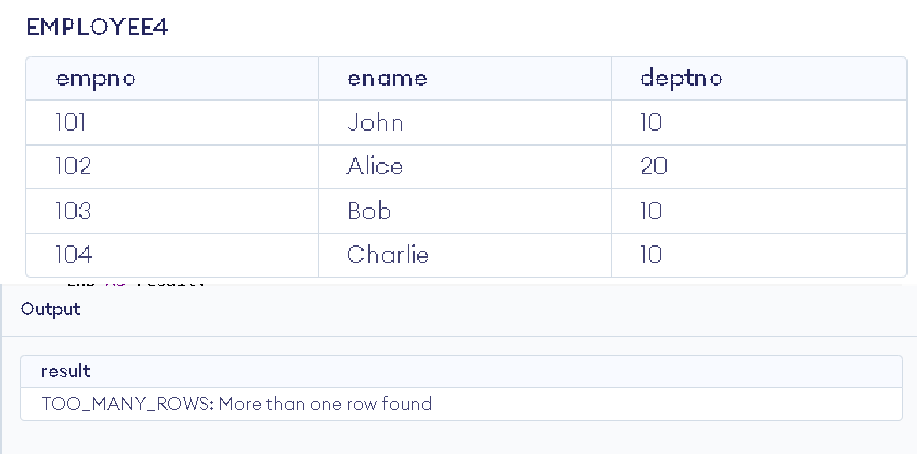
## OUTPUT:



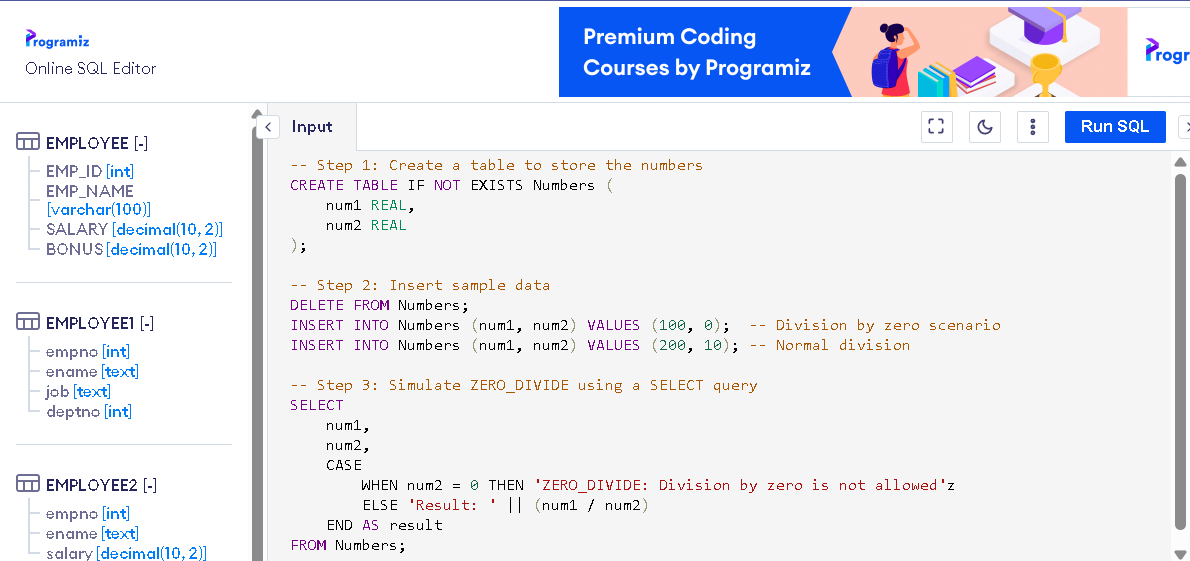
**AIM:** To Write a PL/SQL block to show the use of TOO\_MANY ROWS exception.



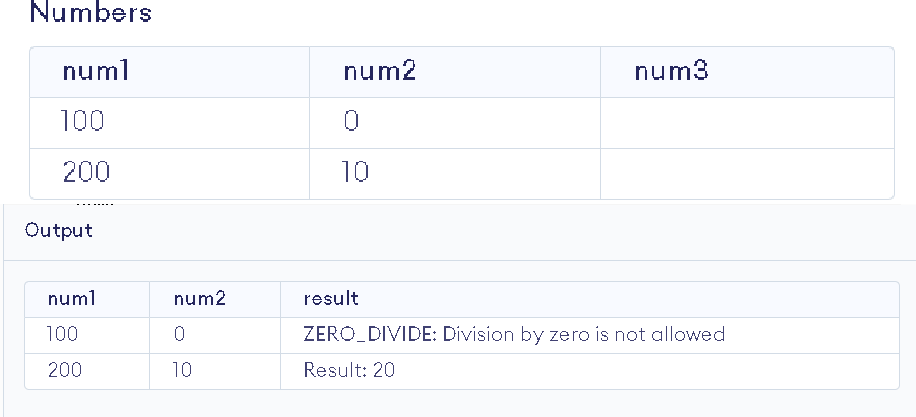
**OUTPUT:**

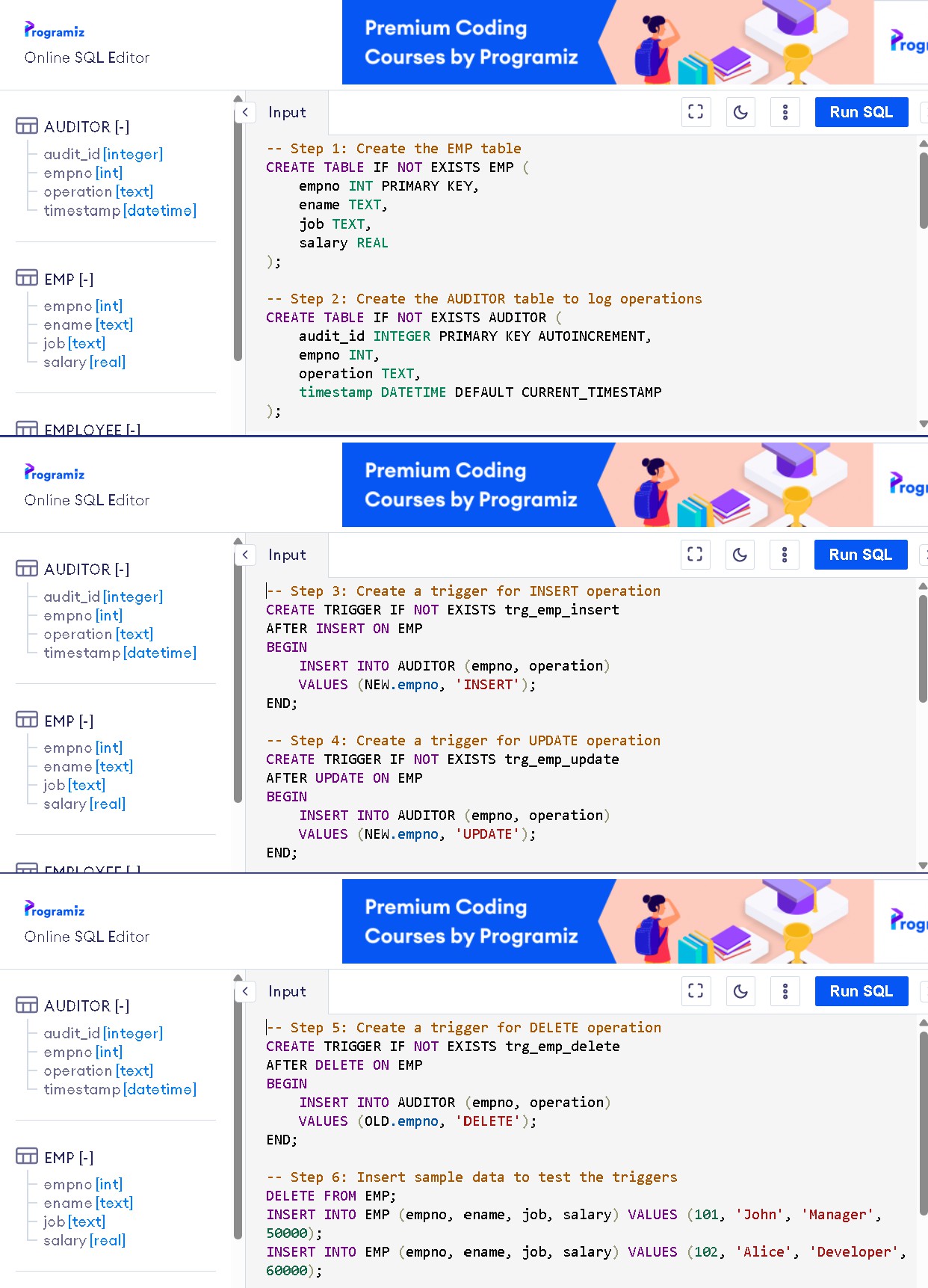


**AIM:** To Write a PL/SQL block to show the use of ZERO\_DIVIDE exception.



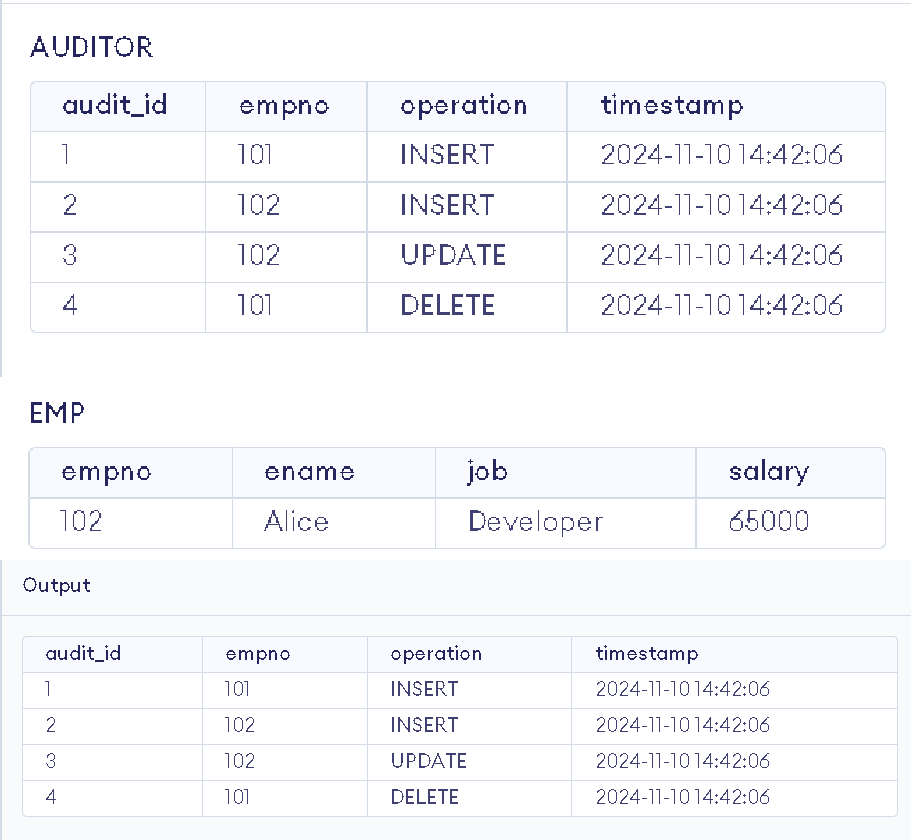
## OUTPUT:



**AIM:** To create a trigger on the emp table, which store the empno& operation in the table auditorfor each operation i.e. Insert, Update & Delete.

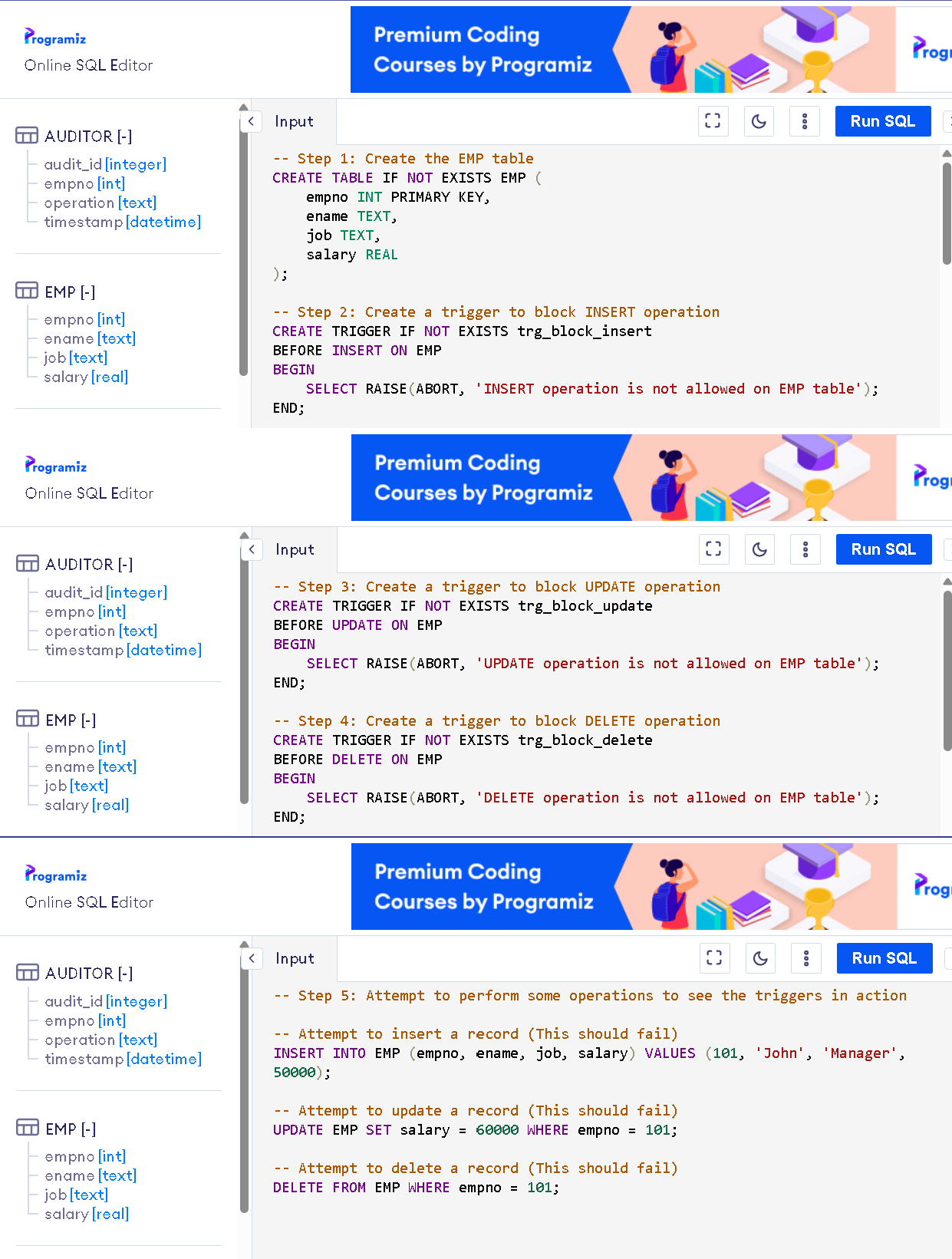


**OUTPUT:**



# EXERCISE 28

**AIM:** To create a trigger so that no operation can be performed on emp table.



**OUTPUT:**

