

NAME – RAJDEEP JAISWAL

DATE – 15 NOV 2021

BRANCH – BTECH CSE

SEC = 608 - A

UID -20BCS2761

Subject – DBMS Lab

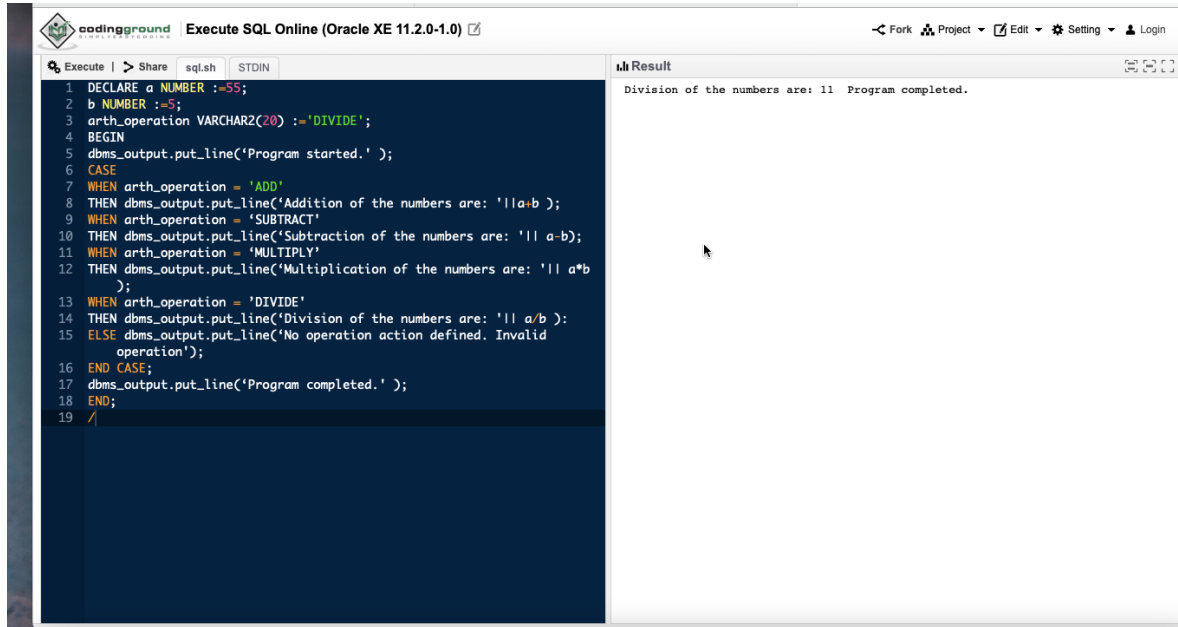
1. Aim/Overview of the practical:

Create a calculator by different procedures of various arithmetic operations using case statement

Code In Text Form-

```
DECLARE a NUMBER :=55;
b NUMBER :=5;
arth_operation VARCHAR2(20) :='DIVIDE';
BEGIN
dbms_output.put_line('Program started.' );
CASE
WHEN arth_operation = 'ADD'
THEN dbms_output.put_line('Addition of the numbers are: '||a+b );
WHEN arth_operation = 'SUBTRACT'
THEN dbms_output.put_line('Subtraction of the numbers are: '|| a-b);
WHEN arth_operation = 'MULTIPLY'
THEN dbms_output.put_line('Multiplication of the numbers are: '|| a*b );
WHEN arth_operation = 'DIVIDE'
THEN dbms_output.put_line('Division of the numbers are: '|| a/b );
ELSE dbms_output.put_line('No operation action defined. Invalid operation');
END CASE;
dbms_output.put_line('Program completed.' );
END;
/
```

CODE IN COMPILER –



The screenshot shows a web-based SQL compiler interface. The title bar reads "Execute SQL Online (Oracle XE 11.2.0-1.0)". The code editor contains the following PL/SQL program:

```
1 DECLARE a NUMBER :=55;  
2 b NUMBER :=5;  
3 arth_operation VARCHAR2(20) := 'DIVIDE';  
4 BEGIN  
5 dbms_output.put_line('Program started. ');  
6 CASE  
7 WHEN arth_operation = 'ADD'  
8 THEN dbms_output.put_line('Addition of the numbers are: ||a+b ');  
9 WHEN arth_operation = 'SUBTRACT'  
10 THEN dbms_output.put_line('Subtraction of the numbers are: || a-b);  
11 WHEN arth_operation = 'MULTIPLY'  
12 THEN dbms_output.put_line('Multiplication of the numbers are: || a*b  
13 );  
14 WHEN arth_operation = 'DIVIDE'  
15 THEN dbms_output.put_line('Division of the numbers are: || a/b ');  
16 ELSE dbms_output.put_line('No operation action defined. Invalid  
17 operation');  
18 END CASE;  
19 dbms_output.put_line('Program completed. ');  
20 END;
```

The output window on the right shows the result of the execution:

```
Division of the numbers are: 11 Program completed.
```

OUTPUT –

Program started.
Division of the numbers are: 11
Program completed.

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

Sr. No.	Parameters	Marks Obtained	Maximum Marks
1.			
2.			
3.			