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Lab Assignment–9

PL/SQL Lab Assignments

Syntax:

Declare
 	
Begin
 	
End;
	If COND then
	
	Else
	
	End if;
		If cond then
		
		Elsif
		
		Elsif
		
		End if;
			Loop
			
			If cond then
			Exit;
			End if;
			
			End loop;
				Loop
				
				Exit when
				cond;
				
				End loop;

While cond loop End loop;	For I in 1..10 Loop End loop;			

1) WAP to find the greatest of three numbers.

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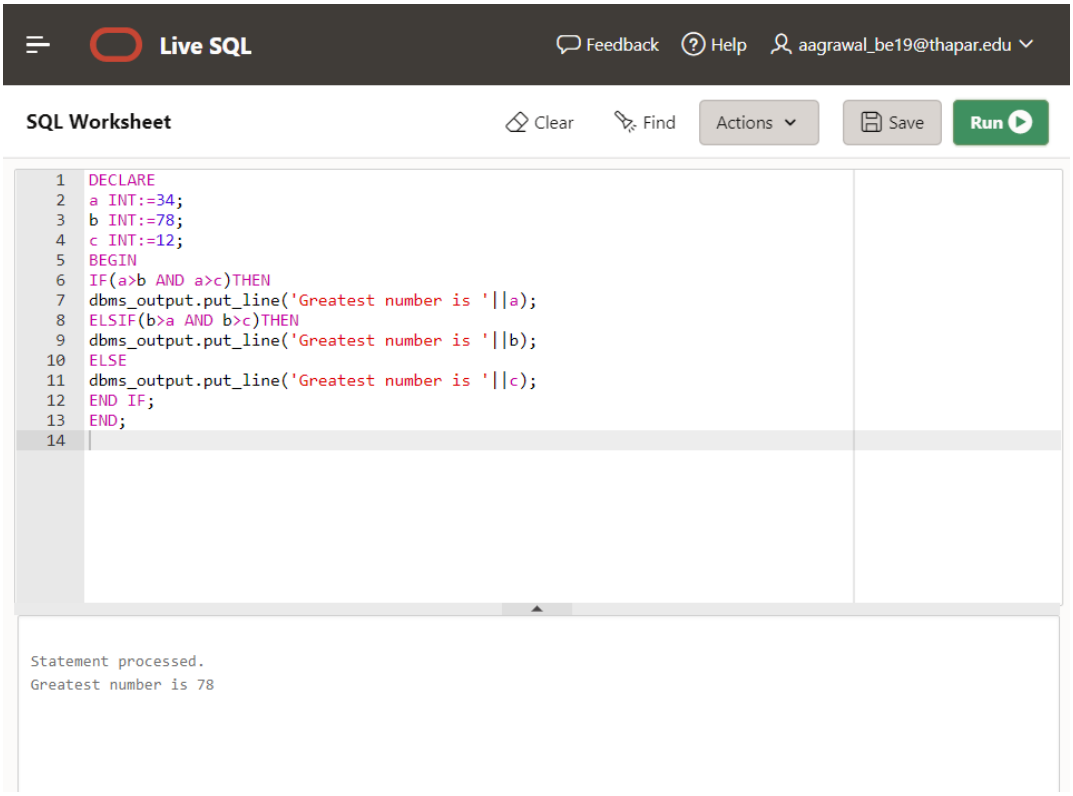

2) WAP to find the grade. Consider the following:

Marks > 80 A grade

Marks >70 B grade

Marks >50 C grade

Marks > 40 D grade

Marks < 40 E grade

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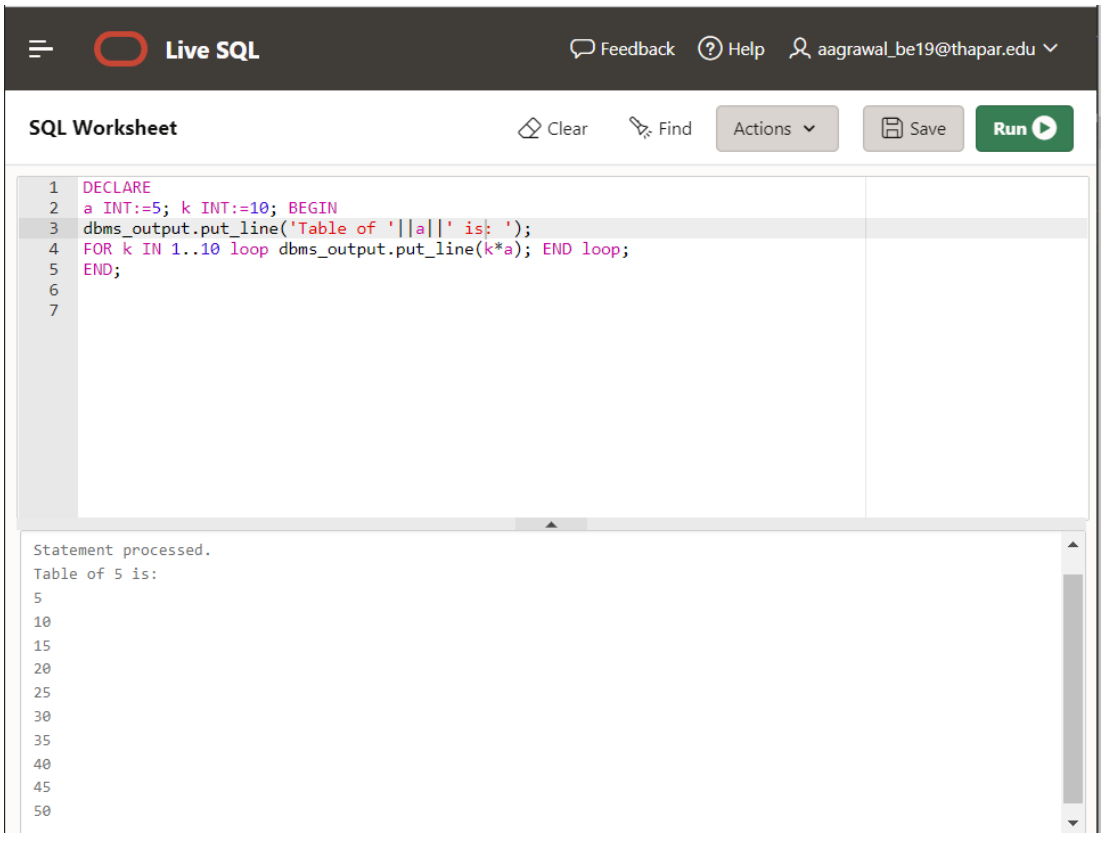
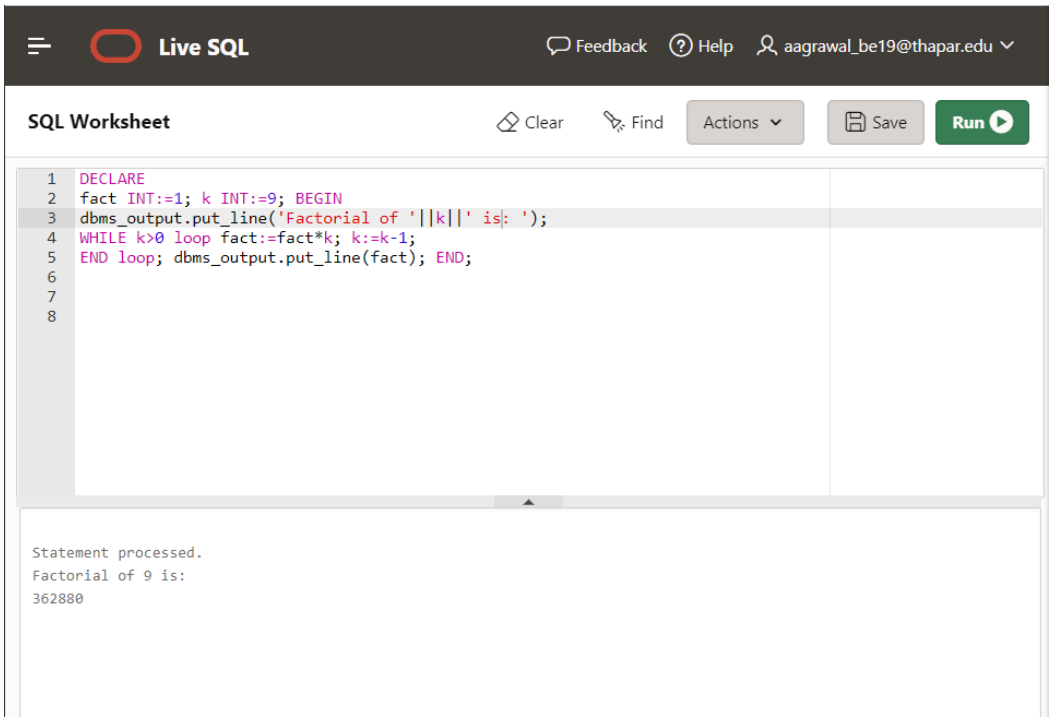
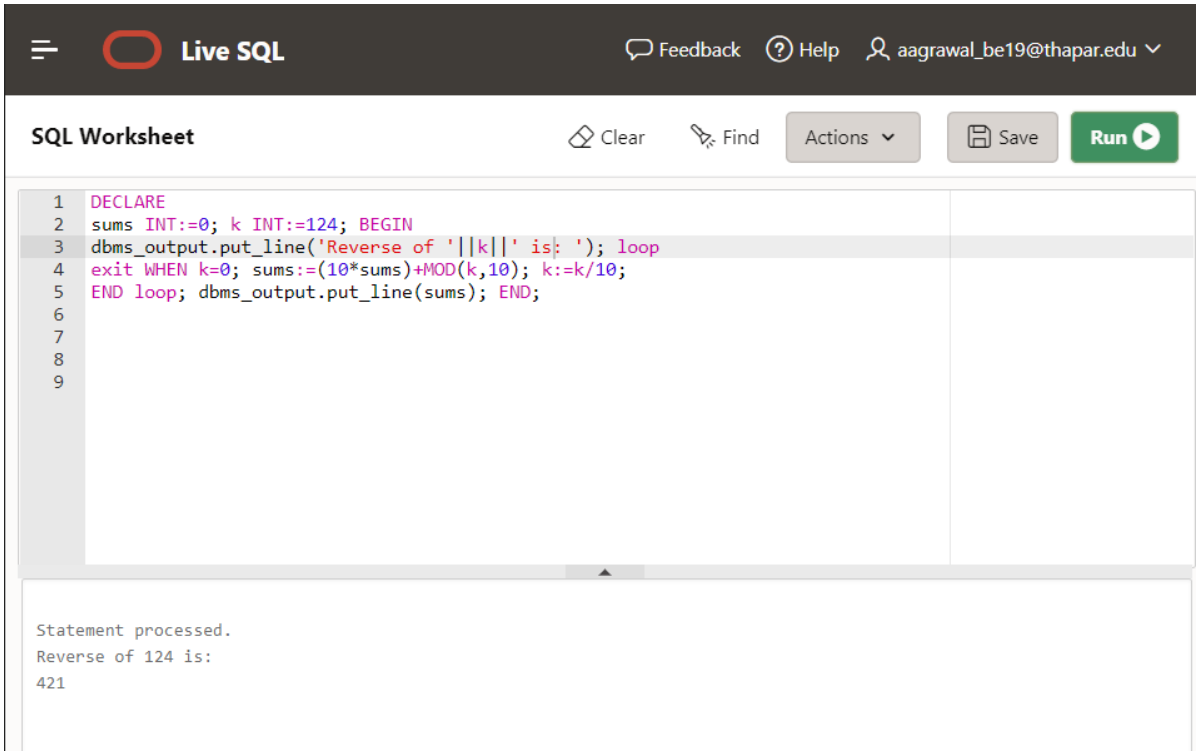
3) WAP to print the table of a given number.(use for loop)



4) WAP to find out the factorial of a given number.(use while loop)

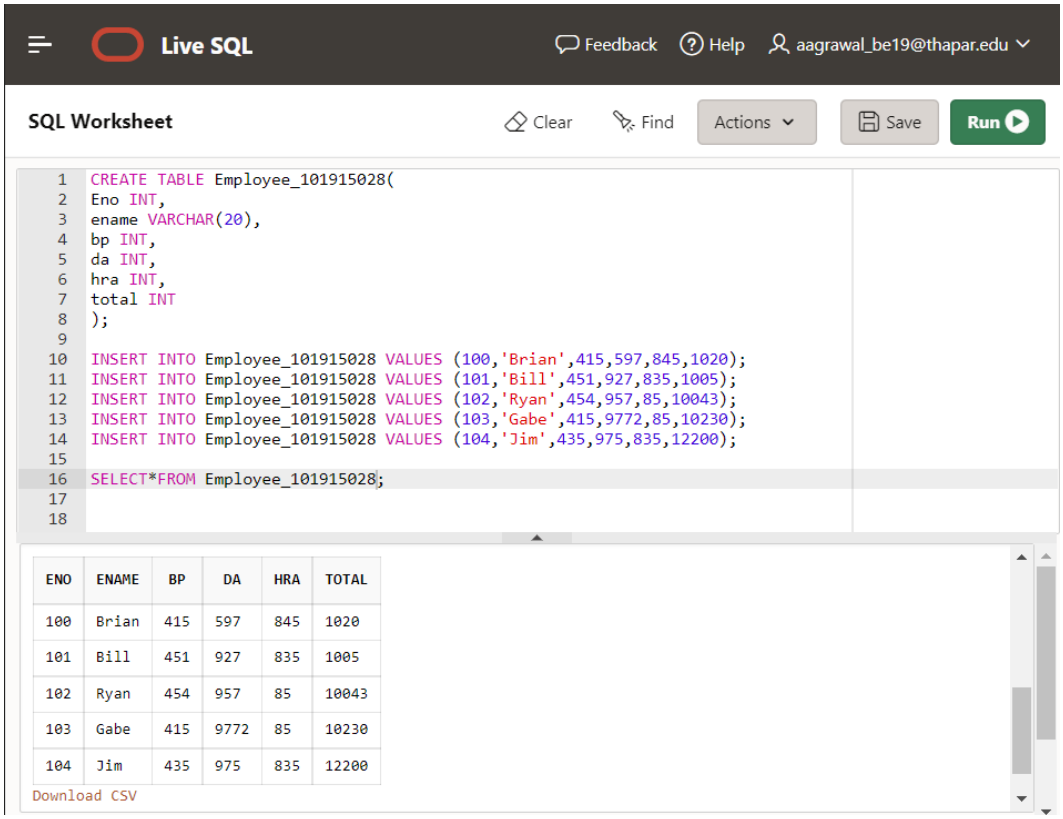


5) WAP to find the reverse of a number(use exit when stement)



6) PL/SQL block to update total sal for empno 100 in Employee Table.

Table Employee: Eno,ename, bp,da,hra,total.




```
19
20 DECLARE
21 newSal INT:=5000;
22 BEGIN
23 UPDATE Employee_101915028 SET total=newSal WHERE Eno=100;
24 END;
25
26 SELECT*FROM Employee_101915028;
27
```

7) PL/SQL block to calculate fine for rno 100

Rno, bookno, doi, dor, fine

Fine is rs 1 if days<7

Fine is rs 2 if days<14 and >7

Fine is rs 3 if days>14

Amount mentioned is for each day.

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SQL Worksheet Clear Find Actions Save Run

```
1  drop table lib_101915028;
2
3  CREATE TABLE lib_101915028(
4  Rno INT PRIMARY KEY,
5  bookno INT,
6  doi DATE,
7  dor DATE,
8  fine INT
9  );
10
11 INSERT INTO lib_101915028 VALUES
12 (100,60,to_date('18/10/2021','dd/mm/yyyy'),to_date('16/11/2021','dd/mm/yyyy'),NULL);
13 INSERT INTO lib_101915028 VALUES
14 (101,65,to_date('2/10/2021','dd/mm/yyyy'),to_date('2/11/2021','dd/mm/yyyy'),NULL);
15 INSERT INTO lib_101915028
16 VALUES (102,30,to_date('8/10/2021','dd/mm/yyyy'),to_date('15/11/2021','dd/mm/yyyy'),NULL);
17 SELECT*FROM lib_101915028;
18
```

```
1 row(s) inserted.
```

RNO	BOOKNO	DOI	DOR	FINE
100	60	18-OCT-21	16-NOV-21	-
101	65	02-OCT-21	02-NOV-21	-
102	30	08-OCT-21	15-NOV-21	-

Download CSV

```
3 rows selected.
```

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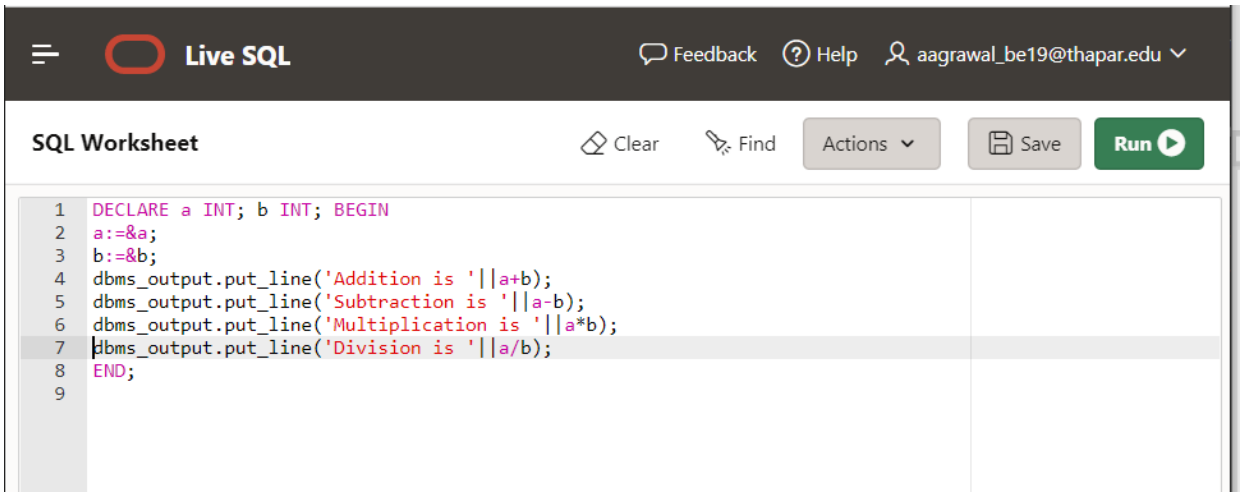
SQL Worksheet Clear Find Actions Save Run

```
1
2
3  DECLARE
4  da INT; fine INT;
5  BEGIN
6  SELECT dor-doi INTO da FROM lib_101915028 WHERE Rno=100;
7  IF(da<7)THEN
8  fine:=1;
9  elsif(da>7 AND da<14)THEN fine:=2;
10 ELSE
11 fine:=3;
12 END IF;
13 dbms_output.put_line('Fine is '||fine);
14 END;
15
16
17
```

```
Statement processed.
Fine is 3
```

8) PL/SQL block that performs addition (+), subtraction (-), multiplication (*) and division (/) of two numbers as choice by the user.



9) Pl/SQL block to display welcome message like good morning, good afternoon, good night depending on system time.