

## Exp - 11 PL/SQL Functions

Aim: To manipulate Functions in PL/SQL.

Q1) Function to add two numbers.

Create or replace function - adder(n1 in number, n2 in number) return number is n3

begin

n3 := n1 + n2;

return n3;

end;

Declare

n3 number(2);

Begin

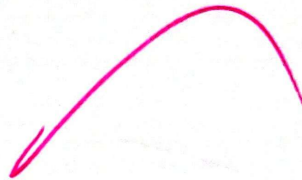
n3 := adder(11, 22);

dbms\_output.put\_line('Addition is: ' || n3);

END;

Output

Addition is : 33



o/p

Q2 } PL/SQL function to find factorial

Create or replace function fact(n number)

return number is i number(10);

var f number := 1;

begin

for i in 1...N loop

f = f \* i;

end loop

return f;

end;

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Q3 } PL/SQL if a number is prime

Declare

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Create or replace function is-prime(n number

return Boolean is i number;

Begin

if n <= 1 then

return False;

end if;

For i in 2..(n/2) Loop

if mod(n, i) = 0 then

return false;

Output

factorial of 5 is 120

OK verified

Output



End If;  
End Loop;  
Return True;  
End;

Q4} PL/SQL to display salary of employee.

Create or replace function disp-sal(  
empid IN EMP.empid % Type) Return  
Number is ~~emp~~ esal emp.salary % TYPE;

Begin

Select salary into ~~emp~~ esal from EMP

WHERE empid = ~~display~~ disp-sal.empid;

DBMS-Output.put\_line('Employee' || Empid || ' has  
salary of ' || ~~emp-sal~~ esal);

END;

~~Declare~~

empid emp.empid % Type := ;

~~emp~~ esal emp.salary % Type;

Begin

~~esal~~ esal := ~~display~~ disp-sal(empid);

END;

Output :-

✓✓✓✓✓  
✓✓✓✓✓ Employee 7839 has salary of 5000.