**PL/SQL:**

**PART 1:**

**1.**

declare

num1 number;

num2 number;

rslt number;

begin

num1 := &input1;

num2 := &input2;

rslt := num1 \* num2;

dbms\_output.put\_line('The result is: ' || rslt);

end;

**2.**

declare

num1 number:= &input1;

num2 number:= &input2;

rslt number;

begin

rslt := case

when num1 = num2 then num1 + num2

else 0

end;

dbms\_output.put\_line('The result is: ' || rslt);

end;

**3.**

declare

str1 varchar2(20) := '&string1';

str2 varchar2(20) := '&string2';

begin

if str1 = str2 then

dbms\_output.put\_line('The strings are equal');

elsif str1 <> str2 then

dbms\_output.put\_line('The strings are not equal');

end if;

end;

**4.**

declare

num1 number:= &input1;

num2 number:= &input2;

rslt number;

begin

rslt := num1 \* num2;

if rslt < 100 then

dbms\_output.put\_line('Hi');

elsif rslt > 100 then

dbms\_output.put\_line('Bye');

else

dbms\_output.put\_line('ADBMS');

end if;

end;

**5.**

declare

num1 number:= &input1;

num2 number:= &input2;

rslt varchar2(20);

begin

rslt := case

when num1 = num2 then 'The numbers are equal'

else 'The numbers are not equal'

end;

dbms\_output.put\_line(result);

end;

**PART 2:**

**6.**

select SALARY

case

when SALARY > 2000 then 'SALARY GREATER THAN 2000'

else 'SALARY LESS THAN 2000'

end AS SALARY\_STATUS

from emp

where ename = 'ALLEN';

**7.**

declare

empno\_inp number:= &empno;

salary number;

begin

select sal INTO salary

from emp

where empNO = empno\_inp;

dbms\_output.put\_line('The salary of employee WARD is: ' || salary);

end;

**8.**

declare

empno\_blake\_input number:= &empno\_blake;

empno\_clark\_input number:= &empno\_clark;

empno\_turner\_input number:= &empno\_turner;

**9.**

declare

v\_empno1 number(4) := &Enter\_empNO1;

v\_empno2 number(4) := &Enter\_empNO2;

v\_empno3 number(4) := &Enter\_empNO3;

v\_sal1 number(7,2);

v\_sal2 number(7,2);

v\_sal3 number(7,2);

v\_total number(10,2);

begin

select sal INTO v\_sal1

from emp

where empno = v\_empno1 AND ename IN ('BLAKE', 'CLARK', 'TURNER');

select sal INTO v\_sal2

from emp

where empno = v\_empno2 AND ename IN ('BLAKE', 'CLARK', 'TURNER');

select sal INTO v\_sal3 \

from emp where empno = v\_empno3 AND ename IN ('BLAKE', 'CLARK', 'TURNER');

v\_total := v\_sal1 + v\_sal2 + v\_sal3;

dbms\_output.put\_line('salary of BLAKE: ' || v\_sal1);

dbms\_output.put\_line('salary of CLARK: ' || v\_sal2);

dbms\_output.put\_line('salary of TURNER: ' || v\_sal3);

dbms\_output.put\_line('Total salary: ' || v\_total);

end;

**10.**

declare

v\_comm number(7,2);

begin

select nvl(comm, 'NOT APPLICABLE FOR COMMISSION ') INTO v\_comm from emp where ename = 'SMITH';

dbms\_output.put\_line('Commission of employee SMITH: ' || v\_comm);

end;

**PART 3:**

**11.** The Output:

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