**MCA-B013 CHUDASAMA VISHAL**

SQL> -- **day-11.docx** file exercise

SQL> **-- Question-1 if-else and Exception**

SQL> set serveroutput on;

SQL> **-- 1. Print a static string “Hello Every One…!” using an anonymous PLSQL block and execute it.**

SQL> **BEGIN**

2  **DBMS\_OUTPUT.PUT\_LINE('Hello Every One...!');**

3 **END;**

4 **/**

**Hello Every One...!**

PL/SQL procedure successfully completed.

SQL> **-- 2. Write a PLSQL block to display a greeting message like: “Hi!! Today is 3rd November 2021, Friday.**

SQL> **BEGIN**

2  **dbms\_output.put\_line('Hey!! Today is ' || to\_char(sysdate, 'DD Month YYYY Day'));**

3 **END;**

4 **/**

**Hey!! Today is 13 October 2025 Monday**

PL/SQL procedure successfully completed.

SQL> **-- 3. Declare a string variable to store student’s name, define three integer variables to store marks of 3 subjects (out of 50) of that student. Write a PLSQL code to calculate total of all three subjects and print the result in percentage.**

SQL> **declare**

2  **name varchar(15);**

3  **s1 number;**

4  **s2 number;**

5  **s3 number;**

6  **total number;**

7  **per number;**

8 **begin**

9  **name:='&name';**

10  **s1:=&s1;**

11  **s2:=&s2;**

12  **s3:=&s3;**

13  **total := s1+s2+s3;**

14  **per := total/3;**

15  **dbms\_output.put\_line('Student name: ' || name);**

16  **dbms\_output.put\_line('Total marks: ' || total);**

17  **dbms\_output.put\_line('Percentage: ' || per);**

18 **end;**

19 **/**

**Enter value for name: Vishal**

old 9: name:='&name';

new 9: name:='Vishal';

**Enter value for s1: 45**

old 10: s1:=&s1;

new 10: s1:=45;

**Enter value for s2: 46**

old 11: s2:=&s2;

new 11: s2:=46;

**Enter value for s3: 48**

old 12: s3:=&s3;

new 12: s3:=48;

**Student name: Vishal**

**Total marks: 139**

**Percentage: 46.33333333333333333333333333333333333333**

PL/SQL procedure successfully completed.

SQL> **-- 4. Write a program to divide 2 numbers and if the denominator if 0 then handle the exception.**

SQL> **declare**

2  **a number;**

3  **b number;**

4  **ans number;**

5 **begin**

6  **a:=&a;**

7  **b:=&b;**

8  **ans:= a/b;**

9  **dbms\_output.put\_line('Ans is ' || ans);**

10 **Exception**

11 **when ZERO\_DIVIDE then**

12  **dbms\_output.put\_line('B value is 0');**

13 **end;**

14 **/**

**Enter value for a: 11**

old 6: a:=&a;

new 6: a:=11;

**Enter value for b: 0**

old 7: b:=&b;

new 7: b:=0;

**B value is 0**

PL/SQL procedure successfully completed.

SQL> **-- 5. Write a user defined exception for above program 3 where if marks are less than 0 then appropriate error message must be shown as exception.**

SQL> **declare**

**2 name varchar(15);**

**3 s1 number;**

**4 s2 number;**

**5 s3 number;**

**6 total number;**

**7 per number;**

**8 marksNotZero EXCEPTION;**

**9 begin**

**10 name:='&name';**

**11 s1:=&s1;**

**12 s2:=&s2;**

**13 s3:=&s3;**

**14 if s1=0 OR s2=0 OR s3=0 then**

**15 RAISE marksNotZero;**

**16 end if;**

**17 total := s1+s2+s3;**

**18 per := total/3;**

**19 dbms\_output.put\_line('Student name: ' || name);**

**20 dbms\_output.put\_line('Total marks: ' || total);**

**21 dbms\_output.put\_line('Percentage: ' || per);**

**22 Exception**

**23 when marksNotZero then**

**24 dbms\_output.put\_line('Marks less than zero! Negative marks not allowed');**

**25 end;**

**26 /**

**Enter value for name: Vishal**

old 10: name:='&name';

new 10: name:='Vishal';

**Enter value for s1: 0**

old 11: s1:=&s1;

new 11: s1:=0;

**Enter value for s2: 13**

old 12: s2:=&s2;

new 12: s2:=13;

**Enter value for s3: 14**

old 13: s3:=&s3;

new 13: s3:=14;

**Marks less than zero! Negative marks not allowed**

PL/SQL procedure successfully completed.

SQL> **-- 6. Write a PLSQL block to find the largest of three numbers**

SQL> **declare**

**2 no1 number;**

**3 no2 number;**

**4 no3 number;**

**5 begin**

**6 no1:=&no1;**

**7 no2:=&no2;**

**8 no3:=&no3;**

**9 if no1>no2 AND no1>no3 then**

**10 dbms\_output.put\_line('max number is: ' || no1);**

**11 elsif no2>no3 then**

**12 dbms\_output.put\_line('max number is: ' || no2);**

**13 else**

**14 dbms\_output.put\_line('max number is: ' || no3);**

**15 end if;**

**16 end;**

**17 /**

**Enter value for no1: 12**

old 6: no1:=&no1;

new 6: no1:=12;

**Enter value for no2: 13**

old 7: no2:=&no2;

new 7: no2:=13;

**Enter value for no3: 14**

old 8: no3:=&no3;

new 8: no3:=14;

**max number is: 14**

PL/SQL procedure successfully completed.