Date
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Batch CSE-6
Branch CSE
Subject DBMS
Assignment - 9
Ques 1 Write a PL/881 block to find out if a year is lesp year on not
DECLARE
was Number:
400/10000/
BEGIN
DBMS_OUTPUT. PUT_LINE ('Enter a Vewn');
year:= fyear;
IF mod (year, 4) = 0
AND
MOD (year, 100) != 0
OR
MOD (year, 400) = 0
TUGAL
DBMS_OUTPUT. PUT_LINE (year 11 'is Lesp year');
8213
DBMS_OUTPUT. PUT_LINE (year 11 ' io not a leap year ')
END IF; Spiral
N. IN. I. V.

```
SQL> DECLARE
                   year NUMBER;
              2
                DBMS_OUTPUT.PUT_LINE('Enter a Year');
                    year := &year;
                   IF MOD(year, 4)=0
              6
              7
                     AND
              8
                     MOD(year, 100)!=0
                     MOD(year, 400)=0 THEN
                     dbms_output.Put_line(year || ' is leap year ');
             11
                     dbms_output.Put_line(year || ' is not leap year.');
             13
             14
                   END IF;
             15 END;
            Enter value for year: 2016
                       year := &year;
                       year := 2016;
            Enter a Year
            2016 is leap year
            PL/SQL procedure successfully completed.
gues 2 Write a PL/SQL block to print odd numbers
   between | & 10 using Loop.
  DECLARE
             num number != 1;
```

BEGIN

while num <=10100P

DBMS_OUTPUT. PUT_LINE(num);

num := num +2;

END LOOP; END;

```
SQL> set serveroutput on
                   SQL> DECLARE
                          num number := 1;
                    3
                       BEGIN
                         while num <= 10
                    6
                          LOOP
                    7
                              DBMS OUTPUT.PUT LINE(num);
                              num := num + 2;
                    9
                          END LOOP;
                    10
                       END;
                    12
                   PL/SQL procedure successfully completed.
Ques 3 Using a for Loop, print the values 10 to 1 in sieuerse on der.
   ALSG
   DECLARE
        n number:
  BEGIN
     for i in REVERSE 1.. 10 LOOP
DBM8_OUTPUT. PUT_LINE(i | 1 ' ');
    END LOOP;
 END;
```

Spiral

```
SQL> DECLARE
         n number;
  3
     BEGIN
    for i in REVERSE 1..10 LOOP
         DBMS_OUTPUT.PUT_LINE(i || ' ');
  5
  6
         END LOOP;
    END;
  8
10
```

PL/SQL procedure successfully completed.

```
gues 4 Create a table called itom with one column Hom Num
 with NUMBER type. Write PL/891 program to meet values
 of 1 to 5 for item num.
  create table item (Item Num int);
DECLARE
    num NUMBER := 1;
BEGIN
LOOP
       INSERT INTO ITEM VALUES (num);
            num := num + 1;
           IF num >5
            THEN
                EXIT;
          END IF;
      END LOOP;
```

```
SOL> DECLARE
                                            SQL> select * from item;
    num number := 1;
    BEGIN
 4 LOOP
                                                ITEMNUM
     insert into item values(num);
            num := num + 1;
            if num > 5
10
                    EXIT;
            END IF;
        END LOOP;
13
   END;
14
PL/SQL procedure successfully completed.
```

```
Ques 5 hosped Input a number with a substitution value

I then point its multiplication table using while

Loop

DECLARE
```

multiplicant int; multiplier int := 0;

BEGIN
multiplicand := 4 multiplicand;

WHILE multiplier <=10

LOOP

DBM8-OUTPUT. PUT_LINE (multiplicand | | 'X'|| multiplier | | = ' | | multiplicand * multiplier);

END LOOP;

```
SQL> DECLARE
        multiplicand int;
        multiplier int := 0;
    BEGIN
        multiplicand := &multiplicand;
        WHILE multiplier<=10
            DBMS_OUTPUT.PUT_LINE( multiplicand ||' X '|| multiplier ||' = '||multiplicand*multiplier);
11
            multiplier:=multiplier+1;
12
        END LOOP;
    END;
14
Enter value for multiplicand: 5
            multiplicand := &multiplicand;
            multiplicand := 5;
5 X 0 = 0
 X 6 = 30
 X 7 = 35
 X 8 = 40
 X 9 = 45
 X 10 = 50
PL/SQL procedure successfully completed.
```

```
Date .....
```

```
gues 6 Input a month number between 1 + 12 f a 4 digit
year, & print number of days in month
```

DECLARE

```
mumber Of Days date;
month number;
year number;
```

BEGIN

number of Days: = To_Date ('Imonth - I gear', 'mm-yyy'y);

number of Days: = LAST_DAY (number of Days);

DBMS_OUTPUT. PUT_LINE ('number of Days in month')|

FO_CHAR (number of Days, 'DD'));

```
SQL> DECLARE
 2
         numberOfDays date;
 3
         month number;
         year number;
 5
    BEGIN
     numberOfDays := TO_DATE('&month-&year','mm-yyyy');
     numberOfDays := LAST_DAY(numberOfDays);
 9
    DBMS_OUTPUT.PUT_LINE('number of days in month '||TO_CHAR(numberOfDays, 'DD'));
10
11
    END;
12
Enter value for month: 4
Enter value for year: 2002
      7: numberOfDays := TO_DATE('&month-&year','mm-yyyy');
     7: numberOfDays := TO_DATE('4-2002', 'mm-yyyy');
number of days in month 30
PL/SQL procedure successfully completed.
```

Date					
gues 7 Use a PL/8QL to delete it	sm 4	form	itom	tabl	
BEGIN					
delete som item					
delete from item where item Num = 4;					
END;					
SQL> BEGIN SQL>	select * f	rom item	j		
<pre>2 delete from item 3 where ItemNum = 4; 4 END;</pre>	EMNUM				
5	1				
6 /	2 3				
PL/SQL procedure successfully completed.	5				
Ques 8 Woute a PL/8QL Hock to ask a valid employee Id. Retorieue a description, salony of commission.	a use emplaye	e nom	in po	it volifico	
V					
DECLARE			,	, V	
V_amp employee % ROWT YPE;		. ((,	
V_qual qualification %ROWTYPE	<u></u>	<u> </u>		/	
employee 1D number;	s (1			
BEGIN and a law of the Marine I Marin	0 04 N	0.100 0	Jan		
solect employée frame, employée . Livan	miggion	11/1	TO	-	
qualification qualdesc, employee com	MD 2 al		1 01	ما	
vemp, frame, vemp. Ivame, ven desc, vemp. commission from en	n phung	INNIE	PJI	21N	
Oralilisation and qualification and lid	- ample	04.00	in link		
gualification ON qualification, qualid where Emplage, employee ID = 4 empl	anolD.	Are . de	101		
whole cripingle, simplified to tryings	درالعلم				
DBMS_OUTPUT. PUT_LINE ('Employee);	Vome:	11 1/2	emp,	frame	

Spiral

Ques 9 You want to a video store of granted a DVD that is due in 3 days from the rental date.

Input rental date, rental month & rental year. Calculate

& point return date, return month & return year

DECLARE gental Date Date; netwin Date Date;

BEGIN grental Date := To_Date (+ grental Day - & rental Month - & grental Year 'dd-mm- y y y y');

greturnDate := grental Date + INTERVAL '3' DAY;

Date

```
dbms_output.put_line('Routol Date: 'IITo_Char(rental Date, 'DD') || 'Rental Month: 'IITo_Char(rental Date, 'MM')

II 'Rental Year: 'IITo_Char(rental Date, 'YYYY'));

dbms_output.put_line('Return Date: 'IITo_Char(return Date, 'MM') II' Return Year: 'II

'DD') II To_Char(return Date, 'MM') II' Return Year: 'II

To-Char(return Date, 'YYYY'));

END;
```

```
SOL> DECLARE
    rentalDate DATE;
    returnDate DATE;
    BEGIN
    rentalDate := TO DATE('&rentalDay-&rentalMonth-&rentalYear','dd-mm-yyyy');
    returnDate := rentalDate + INTERVAL '3' DAY;
 9
    dbms output.put line('Rental Date: '||TO CHAR(rentalDate,'DD')||'
    Rental Month: '||TO CHAR(rentalDate, 'MM')||' Rental Year: '||TO CHAR(rentalDate, 'YYYY'));
11
 12
 13
    dbms output.put line('Return Date: '||TO CHAR(returnDate, 'DD')||'
    Return Month: '||TO_CHAR(returnDate,'MM')||' Return Year: '||TO_CHAR(returnDate,'YYYY'));
 15
16
    END;
17
Enter value for rentalday: 30
Enter value for rentalmonth: 04
Enter value for rentalyear: 2022
     6: rentalDate := TO DATE('&rentalDay-&rentalMonth-&rentalYear','dd-mm-yyyy');
old
     6: rentalDate := TO DATE('30-04-2022', 'dd-mm-yyyy');
Rental Date: 30
Rental Month: 04 Rental Year: 2022
Return Date: 03
Return Month: 05 Return Year: 2022
PL/SQL procedure successfully completed.
```