1. **Write a PL/SQL program to arrange the number of two variable in such a way that the small number will store in num\_small variable and large number will store in num\_large variable.**

Set Serveroutput on;

DECLARE

NUM1 NUMBER(10);

NUM2 NUMBER(10);

NUM\_SMALL NUMBER(10);

NUM\_LARGE NUMBER(10);

Begin

NUM1:=&NUM1;

NUM2:=&NUM2;

if(NUM1>=NUM2) then

NUM\_LARGE:=NUM1;

NUM\_SMALL:=NUM2;

ELSE

NUM\_LARGE:=NUM2;

NUM\_SMALL:=NUM1;

END IF;

dbms\_output.put\_line('Smaller number is ' || NUM\_SMALL);

dbms\_output.put\_line('Larger number is ' || NUM\_LARGE);

end;

1. **PL/SQL program to add two numbers.**

DECLARE

1. **PL/SQL program to check whether a date falls on weekend or not i.e. Saturday or Sunday.**

Set Serveroutput on;

DECLARE

dt1 date:= to\_date('&new\_dt','DD-MON-YYYY');

get\_day VARCHAR2(15);

Begin

get\_day:= RTRIM(TO\_CHAR(dt1, 'DAY'));

if TO\_CHAR(dt1, 'DAY') IN ('SATURDAY', 'SUNDAY') THEN

dbms\_output.put\_line('THE DATE FALLS ON THE WEEKEND ');

ELSE

dbms\_output.put\_line('THE GIVEN DATE DOES NOT FALLS ON THE WEEKEND');

END IF;

end;

1. **PL/SQL program to display a description against a date.**

SET SERVEROUTPUT ON;

DECLARE

x NUMBER:=&x;

BEGIN

IF x>=0 and x<33 THEN

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

ELSIF x>=33 and x<40 THEN

dbms\_output.put\_line ('Grade : P');

ELSIF x>=40 and x<50 THEN

dbms\_output.put\_line ('Grade : E');

ELSIF x>=50 and x<60 THEN

dbms\_output.put\_line ('Grade : D');

ELSIF x>=60 and x<70 THEN

dbms\_output.put\_line ('Grade : C');

ELSIF x>=70 and x<80 THEN

dbms\_output.put\_line ('Grade : B');

ELSIF x>=80 and x<90 THEN

dbms\_output.put\_line ('Grade : A');

ELSIF x>=90 and x<100 THEN

dbms\_output.put\_line ('Grade : S');

ELSE

dbms\_output.put\_line ('Invalid Range');

END IF;

END;

1. **PL/SQL program to print table of a number.**
2. **PL/SQL program to input two number and display the sum and average of these numbers.**

DECLARE

NUM1 NUMBER(10);

NUM2 NUMBER(10);

SUMM NUMBER(10);

AVGG NUMBER(10);

Begin

NUM1:=&NUM1;

NUM2:=&NUM2;

summ := num1 + num2;

avgg := summ/2;

dbms\_output.put\_line('Sum of the entered number is ' || summ);

dbms\_output.put\_line('Average of the entered number is ' || avgg);

end;

1. **PL/SQL program to check whether a entered year is leap year or not.**

Set Serveroutput on;

DECLARE

yy NUMBER := &yy;

Begin

IF

mod(YY, 400)=0 OR mod(YY, 4)=0 AND mod(YY, 100)!=0

THEN

dbms\_output.put\_line('Entered year is a leap year');

ELSE

dbms\_output.put\_line('Entered year is not a leap year');

END IF;

end;

1. **PL/SQL program to input the salary and working experience of employee and calculate the bonus as 10% of salary. Give 500$ extra bonus to those who’s experience is more than 10 year.**

SET SERVEROUTPUT ON;

DECLARE

sal number:=&sal;

exp number:=&exp;

bonus number:=0;

BEGIN

if exp<=10 then

bonus := (sal\*0.1);

else

bonus := (sal\*0.1) + 500;

end if;

dbms\_output.put\_line('Bonus will be ' || bonus);

END;