1. Execute the script, what will happen if the value of **v\_num** is equal to 10?

SET SERVEROUTPUT ON;

DECLARE

v\_num NUMBER := &sv\_num;

v\_result NUMBER;

BEGIN

v\_result := POWER(v\_num, 2);

DBMS\_OUTPUT.PUT\_LINE('The value of v\_result is: '|| v\_result);

END;

/

ANSWER:

old:DECLARE

v\_num NUMBER := &sv\_Nnum;

v\_result NUMBER;

BEGIN

v\_result := POWER(v\_num, 2);

DBMS\_OUTPUT.PUT\_LINE('The value of v\_result is: '|| v\_result);

END;

new:DECLARE

v\_num NUMBER := 10;

v\_result NUMBER;

BEGIN

v\_result := POWER(v\_num, 2);

DBMS\_OUTPUT.PUT\_LINE('The value of v\_result is: '|| v\_result);

END;

The value of v\_result is: 100

1. In this exercise, you determine the day of the week based on today’s date. You then display the results on the screen. Create the following PL/SQL script:
   1. The script output is: Today is Thursday
   2. Nothing will be printed
   3. SET SERVEROUTPUT ON;

DECLARE

v\_day VARCHAR2(20);

v\_time VARCHAR2(20);

BEGIN

v\_day := TO\_CHAR(SYSDATE, 'Day');

v\_time := TO\_CHAR(SYSDATE, 'HH MI SS');

DBMS\_OUTPUT.PUT\_LINE('Today is '||v\_day ||’,’|| v\_time);

END;

* 1. SET SERVEROUTPUT ON

DECLARE

v\_day VARCHAR2(20);

v\_time VARCHAR2(20);

BEGIN

v\_day := TO\_CHAR(SYSDATE, 'fmDay');

v\_time := TO\_CHAR(SYSDATE, 'HH:MI');

DBMS\_OUTPUT.PUT\_LINE('Today is '||v\_day||','||v\_time);

END;

e)

4) SET SERVEROUTPUT ON

DECLARE

v\_a NUMBER := &a;

v\_b NUMBER := &b;

BEGIN

if v\_a < v\_b THEN

DBMS\_OUTPUT.PUT\_LINE('Minimum is: '||v\_a);

DBMS\_OUTPUT.PUT\_LINE('Maximum is: '||v\_b);

ELSE if v\_a > v\_b THEN

DBMS\_OUTPUT.PUT\_LINE('Minimum is: '||v\_b);

DBMS\_OUTPUT.PUT\_LINE('Maximum is: '||v\_a);

ELSE

DBMS\_OUTPUT.PUT\_LINE('Values are equal and: '||v\_a);

end IF;

end IF;

END;

5) SET SERVEROUTPUT ON

DECLARE

v\_year NUMBER := &year;

BEGIN

if v\_year MOD 400 = 0 OR v\_year MOD 4 = 0 AND v\_year MOD 100 !=0 THEN

DBMS\_OUTPUT.PUT\_LINE('Leap year: '||v\_year);

ELSE

DBMS\_OUTPUT.PUT\_LINE('Not a leap year: '||v\_year);

end IF;

END;

6) SET SERVEROUTPUT ON

DECLARE

a NUMBER := &a;

b NUMBER := &b;

c NUMBER := &c;

d NUMBER := &d;

BEGIN

if Power(a,3) + Power(b,3) = Power(c,3) + Power(d,3) OR Power(a,3) + Power(c,3) = Power(b,3) + Power(d,3) OR Power(a,3) + Power(d,3) = Power(b,3) + Power(c,3) THEN

DBMS\_OUTPUT.PUT\_LINE('The number is Ramanujan');

ELSE

DBMS\_OUTPUT.PUT\_LINE('The number is NOT Ramanujan');

end IF;

END;