SQL> set serveroutput on;

SQL> DECLARE

2 message VARCHAR2(20) := 'Hi krishna!';

3 BEGIN

4 DBMS\_OUTPUT.PUT\_LINE(message);

5 END;

6 /

Hi krishna!

PL/SQL procedure successfully completed.

SQL> DECLARE

2 a INTEGER := 0;

3 b INTEGER := 20;

4 c INTEGER;

5 f REAL;

6 BEGIN

7 c := a + b;

8 DBMS\_OUTPUT.PUT\_LINE('Value of c: ' || c);

9 f := 30.0 / 2.0;

10 DBMS\_OUTPUT.PUT\_LINE('Value of f: ' || f);

11 END;

12 /

Value of c: 20

Value of f: 15

PL/SQL procedure successfully completed.

SQL> DECLARE

2 n NUMBER;

3 BEGIN

4 n := &n;

5 IF n > 0 THEN

6 DBMS\_OUTPUT.PUT\_LINE('Given number is Greater than ZERO');

7 END IF;

8 END;

9 /

Enter value for n: 2

old 4: n := &n;

new 4: n := 2;

Given number is Greater than ZERO

PL/SQL procedure successfully completed.

SQL> DECLARE

2 age NUMBER := &age; -- Prompting the user for the age

3 BEGIN

4 IF age >= 60 THEN

5 DBMS\_OUTPUT.PUT\_LINE('Older');

6 ELSIF age >= 18 THEN

7 DBMS\_OUTPUT.PUT\_LINE('Adult');

8 ELSE

9 DBMS\_OUTPUT.PUT\_LINE('Child');

10 END IF;

11 END;

12 /

Enter value for age: 34

old 2: age NUMBER := &age; -- Prompting the user for the age

new 2: age NUMBER := 34; -- Prompting the user for the age

Adult

PL/SQL procedure successfully completed.

SQL> DECLARE

2 n NUMBER := &n; -- Prompting the user for input

3 BEGIN

4 IF n > 0 THEN

5 DBMS\_OUTPUT.PUT\_LINE('Given number is Positive');

6 ELSIF n < 0 THEN

7 DBMS\_OUTPUT.PUT\_LINE('Given number is Negative');

8 ELSE

9 DBMS\_OUTPUT.PUT\_LINE('Given number is Zero');

10 END IF;

11 END;

12 /

Enter value for n: 2

old 2: n NUMBER := &n; -- Prompting the user for input

new 2: n NUMBER := 2; -- Prompting the user for input

Given number is Positive

PL/SQL procedure successfully completed.

SQL> DECLARE

2 n NUMBER := &n; -- Prompting the user for input

3 square\_root NUMBER;

4 BEGIN

5 IF n >= 0 THEN

6 square\_root := SQRT(n);

7 IF square\_root = TRUNC(square\_root) THEN

8 DBMS\_OUTPUT.PUT\_LINE('Square root of ' || n || ' is ' || square\_root || ', and it is an integer');

9 ELSE

10 DBMS\_OUTPUT.PUT\_LINE('Square root of ' || n || ' is ' || square\_root || ', and it is not an integer');

11 END IF;

12 ELSE

13 DBMS\_OUTPUT.PUT\_LINE('Square root is not defined for negative numbers');

14 END IF;

15 END;

16 /

Enter value for n: 5

old 2: n NUMBER := &n; -- Prompting the user for input

new 2: n NUMBER := 5; -- Prompting the user for input

Square root of 5 is 2.23606797749978969640917366873127623544, and it is not an

integer

PL/SQL procedure successfully completed.

SQL> DECLARE

2 n number;

3 BEGIN

4 n:=&n;

5 IF n > 0 THEN

6 Dbms\_output.put\_line('Given number is Greater than ZERO');

7 ELSIF n = 0 THEN

8 Dbms\_output.put\_line('Given number is Equal to ZERO');

9 ELSE

10 Dbms\_output.put\_line('Given number is Less than ZERO');

11 END IF;

12 END;/

13 /

Enter value for n: 4

old 4: n:=&n;

new 4: n:=4;

END;/

\*

ERROR at line 12:

ORA-06550: line 12, column 5:

PLS-00103: Encountered the symbol "/" The symbol "/" was ignored.

SQL> DECLARE

2 n number;

3 BEGIN

4 n:=&n;

5 IF n > 0 THEN

6 Dbms\_output.put\_line('Given number is Greater than ZERO');

7 ELSIF n = 0 THEN

8 Dbms\_output.put\_line('Given number is Equal to ZERO');

9 ELSE

10 Dbms\_output.put\_line('Given number is Less than ZERO');

11 END IF;

12 END;

13 /

Enter value for n: 4

old 4: n:=&n;

new 4: n:=4;

Given number is Greater than ZERO

PL/SQL procedure successfully completed.

SQL> DECLARE

2 day\_number NUMBER := &day\_number; -- Prompting the user for input

3 day\_name VARCHAR2(20);

4 BEGIN

5 IF day\_number = 1 THEN

6 day\_name := 'Sunday';

7 ELSIF day\_number = 2 THEN

8 day\_name := 'Monday';

9 ELSIF day\_number = 3 THEN

10 day\_name := 'Tuesday';

11 ELSIF day\_number = 4 THEN

12 day\_name := 'Wednesday';

13 ELSIF day\_number = 5 THEN

14 day\_name := 'Thursday';

15 ELSIF day\_number = 6 THEN

16 day\_name := 'Friday';

17 ELSIF day\_number = 7 THEN

18 day\_name := 'Saturday';

19 ELSE

20 day\_name := 'Invalid day number';

21 END IF;

22

23 DBMS\_OUTPUT.PUT\_LINE('The day of the week for number ' || day\_number || ' is ' || day\_name);

24 END;

25 /

Enter value for day\_number: 4

old 2: day\_number NUMBER := &day\_number; -- Prompting the user for input

new 2: day\_number NUMBER := 4; -- Prompting the user for input

The day of the week for number 4 is Wednesday

PL/SQL procedure successfully completed.

SQL> DECLARE

2 day\_number NUMBER := &day\_number; -- Prompting the user for input

3 day\_name VARCHAR2(20);

4 BEGIN

5 CASE day\_number

6 WHEN 1 THEN day\_name := 'Sunday';

7 WHEN 2 THEN day\_name := 'Monday';

8 WHEN 3 THEN day\_name := 'Tuesday';

9 WHEN 4 THEN day\_name := 'Wednesday';

10 WHEN 5 THEN day\_name := 'Thursday';

11 WHEN 6 THEN day\_name := 'Friday';

12 WHEN 7 THEN day\_name := 'Saturday';

13 ELSE day\_name := 'Invalid day number';

14 END CASE;

15

16 DBMS\_OUTPUT.PUT\_LINE('The day of the week for number ' || day\_number || ' is ' || day\_name);

17 END;

18 /

Enter value for day\_number: 2

old 2: day\_number NUMBER := &day\_number; -- Prompting the user for input

new 2: day\_number NUMBER := 2; -- Prompting the user for input

The day of the week for number 2 is Monday

PL/SQL procedure successfully completed.

SQL> DECLARE

2 day\_number NUMBER := &day\_number; -- Prompting the user for input

3 day\_name VARCHAR2(20);

4 BEGIN

5 CASE

6 WHEN day\_number = 1 THEN day\_name := 'Sunday';

7 WHEN day\_number = 2 THEN day\_name := 'Monday';

8 WHEN day\_number = 3 THEN day\_name := 'Tuesday';

9 WHEN day\_number = 4 THEN day\_name := 'Wednesday';

10 WHEN day\_number = 5 THEN day\_name := 'Thursday';

11 WHEN day\_number = 6 THEN day\_name := 'Friday';

12 WHEN day\_number = 7 THEN day\_name := 'Saturday';

13 ELSE day\_name := 'Invalid day number';

14 END CASE;

15

16 DBMS\_OUTPUT.PUT\_LINE('The day of the week for number ' || day\_number || ' is ' || day\_name);

17 END;

18 /

Enter value for day\_number: 4

old 2: day\_number NUMBER := &day\_number; -- Prompting the user for input

new 2: day\_number NUMBER := 4; -- Prompting the user for input

The day of the week for number 4 is Wednesday

PL/SQL procedure successfully completed.

SQL> DECLARE

2 day\_number NUMBER := &day\_number; -- Prompting the user for input

3 day\_name VARCHAR2(20);

4 BEGIN

5 CASE

6 WHEN day\_number = 1 THEN day\_name := 'Sunday';

7 WHEN day\_number = 2 THEN day\_name := 'Monday';

8 WHEN day\_number = 3 THEN day\_name := 'Tuesday';

9 WHEN day\_number = 4 THEN day\_name := 'Wednesday';

10 WHEN day\_number = 5 THEN day\_name := 'Thursday';

11 WHEN day\_number = 6 THEN day\_name := 'Friday';

12 WHEN day\_number = 7 THEN day\_name := 'Saturday';

13 END CASE;

14

15 DBMS\_OUTPUT.PUT\_LINE('The day of the week for number ' || day\_number || ' is ' || day\_name);

16 EXCEPTION

17 WHEN CASE\_NOT\_FOUND THEN

18 DBMS\_OUTPUT.PUT\_LINE('Invalid day number');

19 END;

20 /

Enter value for day\_number: 3

old 2: day\_number NUMBER := &day\_number; -- Prompting the user for input

new 2: day\_number NUMBER := 3; -- Prompting the user for input

The day of the week for number 3 is Tuesday

PL/SQL procedure successfully completed.