

If then elseif:

```
DECLARE
v_myage NUMBER := 31;
BEGIN
  IF v_myage < 11
  THEN
    DBMS_OUTPUT.PUT_LINE('I am a child');
  ELSIF v_myage > 11
  THEN
    DBMS_OUTPUT.PUT_LINE('I AM ADULT');
  ELSE
    DBMS_OUTPUT.PUT_LINE('NO AGE');
  END IF;
END;
```

```
DECLARE v_myage NUMBER := 31; BEGIN IF
END IF; END;
```

I AM ADULT

Statement processed. 0.01 seconds

IF STATEMENT:

```
1 DECLARE
2 v_myage NUMBER := 6;
3 BEGIN
4   IF v_myage < 11
5   THEN
6     DBMS_OUTPUT.PUT_LINE('I am a child');
7   END IF;
8 END;
```

```
DECLARE v_myage NUMBER := 6; BEGIN I
```

I am a child

Statement processed. 0.01 seconds

CASE STATEMENT:

```

1  DECLARE
2  v_num NUMBER := 15;
3  v_txt VARCHAR2(50);
4  BEGIN
5  CASE v_num
6  WHEN 20 THEN v_txt := 'number equals 20';
7  WHEN 17 THEN v_txt := 'number equals 17';
8  WHEN 15 THEN v_txt := 'number equals 15';
9  WHEN 13 THEN v_txt := 'number equals 13';
0  WHEN 10 THEN v_txt := 'number equals 10';
1  ELSE v_txt := 'some other number';
2  END CASE;
3  DBMS_OUTPUT.PUT_LINE(v_txt);
4  END;

```

```

DECLARE v_num NUMBER := 15, v_txt
v_txt := 'number equals 13'; WHEN

```

number equals 15

Statement processed. 0.01 seconds

Case statement using if else:

```

DECLARE
v_out_var VARCHAR2(15);
v_in_var NUMBER;
BEGIN
IF v_in_var = 1 THEN v_out_var := 'Low value';
ELSIF v_in_var = 50 THEN v_out_var := 'Middle value';
ELSIF v_in_var = 89 THEN v_out_var := 'High value';
ELSE v_out_var := 'Other value';
DBMS_OUTPUT.PUT_LINE(v_out_var);
END IF;
END;

```

```
DECLARE v_out_var VARCHAR2(15);  
value'; ELSE v_out_var := 'Other
```

Other value

Statement processed. 0.00 seconds

Basic loop:

```
DECLARE  
v_counter NUMBER(2) := 1;  
BEGIN  
LOOP  
DBMS_OUTPUT.PUT_LINE('Loop execution #' || v_counter);  
v_counter := v_counter + 1;  
EXIT WHEN v_counter > 5;  
END LOOP;  
END;
```

```
Loop execution #1  
Loop execution #2  
Loop execution #3  
Loop execution #4  
Loop execution #5
```

While loop:

```

DECLARE
v_loc_id EMPO.MANAGERID%TYPE;
v_counter NUMBER := 1;
BEGIN
SELECT MAX(MANAGERID) INTO v_loc_id FROM EMPO
WHERE AGE = 18;
WHILE v_counter <= 3 LOOP
INSERT INTO EMPO(DEPARTMENTID, NAME, MANAGERID)
VALUES((v_loc_id + v_counter), 'Montreal', 2);
v_counter := v_counter + 1;
DBMS_OUTPUT.PUT_LINE(v_loc_id);
END LOOP;
END;

```

```

DECLARE v_loc_id EMPO.MANAGERID%TYPE;
VALUES((v_loc_id + v_counter), 'Montreal', 2);

90
90
90

```

FOR LOOP:

```

1 DECLARE
2 v_loc_id empo.MANAGERID%TYPE;
3 BEGIN
4 SELECT MAX(MANAGERID) INTO v_loc_id FROM EMPO
5 WHERE AGE = 20;
6 FOR i IN 1..3 LOOP
7 INSERT INTO EMPO(DEPARTMENTID, NAME, MANAGERID)
8 VALUES((v_loc_id + i), 'Montreal', 2);
9 END LOOP;
10 END;

```

5	TEJ	6	99
18	Montreal	2	-
19	Montreal	2	-
20	Montreal	2	-
91	Montreal	2	-
92	Montreal	2	-
93	Montreal	2	-
91	Montreal	2	-
92	Montreal	2	-
93	Montreal	2	-
6	OG	12	88
5	TEJ	6	99
90	mahesh	90	18
90	rai	90	17

NESTED LOOP:

```
BEGIN
FOR v_outerloop IN 1..3 LOOP
FOR v_innerloop IN REVERSE 1..5 LOOP
DBMS_OUTPUT.PUT_LINE('Outer loop is: ' ||
v_outerloop ||
' and inner loop is: ' ||
v_innerloop);
END LOOP;
END LOOP;
END;
```

```
Outer loop is: 1 and inner loop is: 5
Outer loop is: 1 and inner loop is: 4
Outer loop is: 1 and inner loop is: 3
Outer loop is: 1 and inner loop is: 2
Outer loop is: 1 and inner loop is: 1
Outer loop is: 2 and inner loop is: 5
Outer loop is: 2 and inner loop is: 4
Outer loop is: 2 and inner loop is: 3
Outer loop is: 2 and inner loop is: 2
Outer loop is: 2 and inner loop is: 1
Outer loop is: 3 and inner loop is: 5
Outer loop is: 3 and inner loop is: 4
Outer loop is: 3 and inner loop is: 3
Outer loop is: 3 and inner loop is: 2
Outer loop is: 3 and inner loop is: 1
```

