BEGIN

DBMS\_OUTPUT.PUT\_LINE('Hello World');

END;

1)

DECLARE

TODAY DATE := SYSDATE;

TOMORROW TODAY%TYPE;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('Hello World');

TOMORROW := TODAY + 1;

DBMS\_OUTPUT.PUT\_LINE('Today''s Date: ' || TO\_CHAR(TODAY, 'DD-MON-YYYY'));

DBMS\_OUTPUT.PUT\_LINE('Tomorrow''s Date: ' || TO\_CHAR(TOMORROW, 'DD-MON-YYYY'));

END;

2)

DECLARE

my\_date DATE := SYSDATE;

v\_last\_day DATE;

BEGIN

v\_last\_day := LAST\_DAY(my\_date);

DBMS\_OUTPUT.PUT\_LINE('Today''s Date: ' || TO\_CHAR(my\_date, 'Month dd, yyyy'));

DBMS\_OUTPUT.PUT\_LINE('Last Day of Month: ' || TO\_CHAR(v\_last\_day, 'Month dd, yyyy'));

END;

3)

DECLARE

my\_date DATE := SYSDATE;

v\_last\_day DATE;

BEGIN

v\_last\_day := LAST\_DAY(my\_date);

DBMS\_OUTPUT.PUT\_LINE('Today''s Date: ' || TO\_CHAR(my\_date, 'Month dd, yyyy'));

DBMS\_OUTPUT.PUT\_LINE('Last Day of Month: ' || TO\_CHAR(v\_last\_day, 'Month dd, yyyy'));

END;

4)

DECLARE

my\_date DATE := SYSDATE;

v\_last\_day DATE;

new\_date DATE;

months\_between\_dates NUMBER;

BEGIN

v\_last\_day := LAST\_DAY(my\_date);

new\_date := my\_date + 45;

months\_between\_dates := MONTHS\_BETWEEN(new\_date, my\_date);

DBMS\_OUTPUT.PUT\_LINE('Today''s Date: ' || TO\_CHAR(my\_date, 'Month dd, yyyy'));

DBMS\_OUTPUT.PUT\_LINE('Last Day of Month: ' || TO\_CHAR(v\_last\_day, 'Month dd, yyyy'));

DBMS\_OUTPUT.PUT\_LINE('New Date (45 Days Later): ' || TO\_CHAR(new\_date, 'Month dd, yyyy'));

DBMS\_OUTPUT.PUT\_LINE('Months Between Today and New Date: ' || TO\_CHAR(months\_between\_dates, '9.99'));

END;

Q2)

CREATE TABLE countries (

country\_name VARCHAR2(100),

median\_age NUMBER(30, 10)

);

INSERT INTO countries (country\_name, median\_age) VALUES ('Jordan', 48.6);

INSERT INTO countries (country\_name, median\_age) VALUES ('iraq', 38.2);

INSERT INTO countries (country\_name, median\_age) VALUES ('syria', 28.7);

COMMIT;

DECLARE

country\_name countries.country\_name%TYPE;

median\_age countries.median\_age%TYPE;

BEGIN

SELECT country\_name, median\_age INTO country\_name, median\_age

FROM countries

WHERE country\_name = 'Jordan';

DBMS\_OUTPUT.PUT\_LINE('The median age in ' || country\_name || ' is ' || median\_age || '.');

END;

DECLARE

CURSOR country\_cursor IS

SELECT country\_name, median\_age

FROM countries

WHERE country\_name = 'Jordan';

v\_country\_name countries.country\_name%TYPE;

v\_median\_age countries.median\_age%TYPE;

BEGIN

OPEN country\_cursor;

FETCH country\_cursor INTO v\_country\_name, v\_median\_age;

IF country\_cursor%FOUND THEN

DBMS\_OUTPUT.PUT\_LINE('The median age in ' || v\_country\_name || ' is ' || v\_median\_age || '.');

ELSE

DBMS\_OUTPUT.PUT\_LINE('No data found for the specified country.');

END IF;

CLOSE country\_cursor;

END;