**PLSQL:**

**Features:**

Portable,efficient,exception handling , Development tool, Error Checking

![A diagram of a software code

AI-generated content may be incorrect.]()

Example code:

DECLARE

a1 number;

b number;

c1 number;

BEGIN

a1:=10;

b:=100;

IF a1>b THEN

c1:=a1;

Else

c1:=b;

END IF;

dbms\_output.put\_line('Maximum number in 10 and 100:'||c1);

END;

DataTypes:

Declaring a constant in plsql

Declare

School\_name constant varchar(20):=”DPS”;

BEGIN

Dbms\_output.put\_line(‘I study in’|| school\_name);

END

Evenodd example:

DECLARE

a1 number;

BEGIN

a1:= :a1;

IF MOD(a1,2)=0 THEN

dbms\_output.put\_line(a1|| ' is Even');

Else

dbms\_output.put\_line(a1|| 'is Odd ');

END IF;

END;

DECLARE

c\_grade CHAR(1) := :c\_grade;

c\_rank VARCHAR2(20);

BEGIN

CASE c\_grade

WHEN 'A' THEN c\_rank := 'Excellent';

WHEN 'B' THEN c\_rank := 'Very Good';

WHEN 'C' THEN c\_rank := 'Good';

WHEN 'D' THEN c\_rank := 'Fair';

WHEN 'F' THEN c\_rank := 'Poor';

ELSE c\_rank := 'Invalid Grade';

END CASE;

DBMS\_OUTPUT.PUT\_LINE('Grade: ' || c\_grade);

DBMS\_OUTPUT.PUT\_LINE('Rank: ' || c\_rank);

END;

Multiplication table:

DECLARE

i int;

j int;

BEGIN

i:= :i;

j:=1;

LOOP

if j>10 then

exit;

end if;

dbms\_output.put\_Line(i||'\*'||j||'='||(i\*j));

j:= j+1;

END LOOP;

END;

FUNCTIONS

DECLARE

a1 number;

c1 number;

--func to return largest of 2 numbs

FUNCTION oddOrEven(x In number)

return number

IS

y number;

BEGIN

if MOD(x,2)=0 then

dbms\_output.put\_Line('EVEN NUMBER');

else

dbms\_output.put\_Line('ODD NUMBER');

END if;

Return -1;

end;

BEGIN

a1:=50;

c1:=oddOrEven(a1);

END;

CURSORS:

Implicit cursor: insert,update delete

Explicit cursor: delete

TRIGGERS:

PACKAGES:

PROCEDURE listCustomer IS

CURSOR c\_customer is

select name from customer;

TYPE c\_list is TABLE OF customer.name%type;

name\_list c\_list:=c\_list();

counter integer=0;

BEGIN

FOR n in c\_customer LOOP

counter:=counter+1;

name\_list.extend

name\_list(counter):=n.name;

dbms\_output.put\_line('Customer')