PL/SQL NOTES

https://www.tutorialspoint.com/plsql/index.htm

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select \* from cat;

drop table students cascade constraints;

create table students(

studentid varchar2(3),

lastname varchar2(15),

gpa number(5,2),

primary key (studentid));

desc students;

insert into students values ('555', 'Bryant', 4.00);

insert into students values ('777', 'Cupp', 2.33);

insert into students values ('888', 'Lacy', 2.10);

insert into students values ('999', 'Edwards', 2.43);

select \* from students;

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set serveroutput on;

begin

dbms\_output.put\_line('Hello World');

end;

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-- Variables declare, assign and display

set SERVEROUTPUT ON SIZE UNLIMITED;

declare

lastname varchar2(15);

gpa number(5,2);

begin

lastname := 'Smith';

gpa := 3.75;

dbms\_output.put\_line('Last Name : ' || lastname );

dbms\_output.put\_line('GPA : ' || gpa );

end;

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-- using select into

declare

lastname varchar2(15);

gpa number(5,2);

begin

select lastname, gpa into lastname, gpa

from students

where studentid = 1;

dbms\_output\_put\_line('Last Name : ' || lastname );

dbms\_output\_put\_line('GPA : ' || gpa );

end;

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-- using datatype from fields in an exisiting table

declare

lastname students.lastname%TYPE;

gpa students.gpa%TYPE;

begin

select lastname, gpa into lastname, gpa

from students

where studentid = 1;

dbms\_output\_put\_line('Last Name : ' || lastname );

dbms\_output\_put\_line('GPA : ' || gpa );

end;

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-- use ROWTYPE

declare

student students%ROWTYPE;

begin

select \* into student from students

where studentid = 555;

dbms\_output.put\_line('Last Name : ' || student.lastname );

dbms\_output.put\_line('GPA : ' || student.gpa );