**PL/SQL**

**Problem #1:**

set verify off

set serveroutput on

declare

d\_id donor\_bk.idno%type;

d\_name donor\_bk.name%type;

d\_goal donor\_bk.yrgoal%type;

d\_input\_id donor\_bk.idno%type;

begin

d\_input\_id := & donor\_id;

select idno, name, yrgoal into

d\_id, d\_name, d\_goal

from donor\_bk

where idno = d\_input\_id;

dbms\_output.put\_line(d\_id ||' ' || d\_name || ' ' || d\_goal);

end;

/

set serverout off

set verify on

**Result:**

SQL> @ donor\_1;

Enter value for donor\_id: 23456

23456 Susan Ash 100

**Problem #2:**

set verify off

set serveroutput on

declare

d\_id VARCHAR2(5);

d\_name VARCHAR2(15);

d\_goal NUMBER(7,2);

d\_state varchar2(2);

d\_input\_id VARCHAR2(5);

begin

d\_input\_id := & donor\_id;

select idno, name, yrgoal, state into

d\_id, d\_name, d\_goal, d\_state

from donor\_bk

where idno = d\_input\_id;

**if**

d\_state = 'MA' then

d\_goal := d\_goal - 20;

**else**

d\_goal := d\_goal + 30;

end if;

dbms\_output.put\_line(d\_id ||' ' || d\_name || ' ' || d\_goal);

update donor\_bk

set yrgoal = d\_goal

where idno = d\_input\_id;

end;

/

set serveroutput off

set verify on

**SQL> @ donor\_2**

Enter value for donor\_id: 23456

23456 Susan Ash 80

**Problem #3**

set verify off

set serveroutput on

declare

e\_id employee\_bk.emp\_id%type := '&input\_id';

e\_name employee\_bk.name%type;

e\_title employee\_bk.title%type;

e\_bonus employee\_bk.bonus%type;

e\_salary employee\_bk.salary%type;

begin

select emp\_id, name, title, bonus, salary into

e\_id, e\_name, e\_title, e\_bonus, e\_salary

from employee\_bk

where emp\_id = e\_id;

IF e\_title = 'Senior Manager' THEN

e\_bonus := e\_bonus + 500;

ELSIF e\_title = 'CEO' THEN

e\_bonus := e\_bonus + 200;

ELSIF e\_title = 'Salesperson' THEN

e\_bonus := e\_bonus + 150;

ELSE

e\_bonus := e\_bonus;

END IF;

dbms\_output.put\_line (e\_id ||' ' || e\_name || ' ' || e\_title || ' '|| e\_salary|| ' '|| e\_bonus);

update employee\_bk

set bonus = e\_bonus

where emp\_id = e\_id;

commit;

end;

/

set serveroutput off

set verify on

**SQL> @ emp\_new**

Enter value for input\_id: 02

02 Johnson/Ron K Senior Manager 86700 4000

**Problem #4**

set verify off

set serveroutput on

declare

e\_id emp\_bk1.emp\_id%type := '&input\_id';

e\_name emp\_bk1.name%type;

e\_title emp\_bk1.title%type;

e\_bonus emp\_bk1.bonus%type;

e\_salary emp\_bk1.salary%type;

begin

select emp\_id, name, title, bonus, salary into

e\_id, e\_name, e\_title, e\_bonus, e\_salary

from emp\_bk1

where emp\_id = e\_id;

if

e\_title = 'Salesperson' then

if e\_salary > 85000 then

e\_bonus := e\_bonus + 200;

else if e\_salary < 85000

then e\_bonus := e\_bonus + 250;

end if;

end if;

end if;

dbms\_output.put\_line (e\_id ||' ' || e\_name || ' ' || e\_title || ' '|| e\_salary|| ' '|| e\_bonus);

update emp\_bk1

set bonus = e\_bonus

where emp\_id = e\_id;

commit;

end;

/

set serveroutput off

set verify on

**SQL> @ emp\_p4**

Enter value for input\_id: 03

03 Hobbs/Fred Ann Salesperson 86700 2900

PL/SQL procedure successfully completed.

**Problem #5:**

set verify off

set serveroutput on

declare

e\_id emp\_bk2.emp\_id%type := '&input\_id';

e\_name emp\_bk2.name%type;

e\_title emp\_bk2.title%type;

e\_bonus emp\_bk2.bonus%type;

e\_salary emp\_bk2.salary%type;

begin

select emp\_id, name, title, bonus, salary into

e\_id, e\_name, e\_title, e\_bonus, e\_salary

from emp\_bk2

where emp\_id = e\_id;

if

e\_salary > 83000 and ( e\_title = 'Salesperson' or e\_title = 'Senior Manager') then

e\_salary := e\_salary + 2000;

else

e\_salary := e\_salary;

end if;

dbms\_output.put\_line (e\_id ||' ' || e\_name || ' ' || e\_title || ' '|| e\_salary|| ' '|| e\_bonus);

update emp\_bk2

set bonus = e\_bonus

where emp\_id = e\_id;

commit;

end;

/

set serveroutput off

set verify on

**SQL> @ emp\_p5**

Enter value for input\_id: 01

01 Smith/James Salesperson 81600 2500

PL/SQL procedure successfully completed.