**PL/SQL Fundamental Exercises**

1. SET SERVEROUTPUT ON;

DECLARE

V\_INCENTIVE NUMBER(8,2);

BEGIN

SELECT salary\*0.2

INTO V\_INCENTIVE

FROM tblemployees

WHERE employee\_id = &employee\_id;

DBMS\_OUTPUT.PUT\_LINE(V\_INCENTIVE);

END;

1. SET SERVEROUTPUT ON;

DECLARE

"HELLO" VARCHAR(20):='Welcome' ;

BEGIN

DBMS\_OUTPUT.PUT\_LINE("hello");

END;

identifier 'hello' must be declared – case sensitive

SET SERVEROUTPUT ON;

DECLARE

HELLO VARCHAR(20):='Welcome' ;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(hello);

END;

PL/SQL procedure successfully completed. – Case insensitive

O/P - Welcome

1. SET SERVEROUTPUT ON;

DECLARE

VARCHAR VARCHAR2(20):='Welcome' ;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(VARCHAR);

END;

1. SET SERVEROUTPUT ON;

DECLARE

"VARCHAR2" VARCHAR2(20):='Welcome' ;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(VARCHAR);

END;

1. SET SERVEROUTPUT ON;

DECLARE

"VARCHAR2" VARCHAR2(20):='Welcome' ;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(varchar2);

END;

1. SET SERVEROUTPUT ON;

DECLARE

V\_HELLO VARCHAR2(20):='Welcome' ;

BEGIN

/\*This

is a

multiline comment\*/

--This is a single line comment

DBMS\_OUTPUT.PUT\_LINE(V\_HELLO);

END;

1. SET SERVEROUTPUT ON;

DECLARE

V\_CHAR VARCHAR2(20):='Welcome';

V\_NUMBER NUMBER(8,2):=10;

V\_FLOAT FLOAT:=9.99;

BEGIN

DBMS\_OUTPUT.PUT\_LINE(V\_CHAR);

DBMS\_OUTPUT.PUT\_LINE(V\_NUMBER);

DBMS\_OUTPUT.PUT\_LINE(V\_FLOAT);

END;

1. SET SERVEROUTPUT ON;

DECLARE

V\_NUMBER NUMBER(8,2):=10;

BEGIN

DECLARE

V\_NUMBER NUMBER(8,2):=5;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('FIRST BLOCK');

DBMS\_OUTPUT.PUT\_LINE(V\_NUMBER);

END;

BEGIN

DBMS\_OUTPUT.PUT\_LINE('SECOND BLOCK');

DBMS\_OUTPUT.PUT\_LINE(V\_NUMBER);

END;

DBMS\_OUTPUT.PUT\_LINE('OUTER BLOCK');

DBMS\_OUTPUT.PUT\_LINE(V\_NUMBER);

END;

1. SET SERVEROUTPUT ON;

DECLARE

"V\_CHAR" VARCHAR2(20):='Welcome';

BEGIN

DBMS\_OUTPUT.PUT\_LINE(V\_CHAR);

END;

1. SET SERVEROUTPUT ON;

DECLARE

V\_SALARY NUMBER(8,2);

BEGIN

SELECT salary\*1.1

INTO V\_SALARY

FROM tblemployees

WHERE employee\_id = &employee\_id;

DBMS\_OUTPUT.PUT\_LINE(V\_SALARY);

END;

1. SET SERVEROUTPUT ON;

DECLARE

V\_SALARY NUMBER(8,2);

BEGIN

DBMS\_OUTPUT.PUT\_LINE(8/8\*(2+2));

END;