//FUNCTIONS AND PROCEDURES IN PL/SQL

create or replace procedure fact(n int) is

j integer:=1;

begin

for i in 1..n Loop

j:=j\*i;

end Loop;

dbms\_output.put\_line(j);

end;

/

/\* OUTPUT:

SQL> ed

Wrote file afiedt.buf

1 create or replace procedure fact(n int) is

2 j integer:=1;

3 begin

4 for i in 1..n Loop

5 j:=j\*i;

6 end Loop;

7 dbms\_output.put\_line(j);

8\* end;

SQL> /

Procedure created.

SQL> exec fact(5);

120

PL/SQL procedure successfully completed.

SQL>

\*/

create or replace procedure sum1(n int) is

j integer:=0;

begin

for i in 1..n Loop

j:=j+i;

end Loop;

dbms\_output.put\_line(j);

end;

/

/\* OUTPUT:

SQL> ed

Wrote file afiedt.buf

1 create or replace procedure sum1(n int) is

2 j integer:=0;

3 begin

4 for i in 1..n Loop

5 j:=j+i;

6 end Loop;

7 dbms\_output.put\_line(j);

8\* end;

SQL> /

Procedure created.

SQL> exec sum1(7);

28

PL/SQL procedure successfully completed.

SQL>

\*/

create or replace function fact1(n int) return int is

j integer:=1;

begin

for i in 1..n Loop

j:=j\*i;

end Loop;

return j;

end;

/

declare

i integer;

begin

i:=fact1(5);

dbms\_output.put\_line(i);

end;

/

/\* OUTPUT:

SQL> ed

Wrote file afiedt.buf

1 create or replace function fact1(n int) return int is

2 j integer:=1;

3 begin

4 for i in 1..n Loop

5 j:=j\*i;

6 end Loop;

7 return j;

8\* end;

SQL> /

Function created.

SQL> ed

Wrote file afiedt.buf

1 declare

2 i integer;

3 begin

4 i:=fact1(5);

5 dbms\_output.put\_line(i);

6\* end;

SQL> /

120

PL/SQL procedure successfully completed.

SQL>

\*/