create table cont\_tab(

contract\_id number(20),

contract\_type varchar2(40),

cont\_s\_date date,

cont\_e\_date date,

cpt\_id number(20),

cont\_amt number(20),

ins\_date date,

upd\_date date);

insert into cont\_tab values(12345,'government','10-jan-10','10-jan-11',101,700000,'10-jan-10',null);

insert into cont\_tab values(12879,'government','03-feb-11','15-feb-12',102,489938,'03-feb-11',null);

insert into cont\_tab values(12987,'government','15-feb-11','20-feb-13',103,200000,'15-feb-11',null);

insert into cont\_tab values(12346,'government','01-sep-12','10-feb-13',100,400000,'01-Sep-12','10-apr-13');

select \* from cont\_tab;

select \* from ;

create table expd\_rcv\_tab(exp\_rec\_id number(8),exp\_rec\_date date,contract\_id number(20),amount number(20));

drop table expd\_rcv\_tab;

create table con\_pay\_terms(cpt\_id number(20),freq\_of\_pmt varchar2(30));

insert into con\_pay\_terms values(100,'monthly');

insert into con\_pay\_terms values(101,'quarterly');

insert into con\_pay\_terms values(102,'half yearly');

insert into con\_pay\_terms values(103,'yearly');

select \* from con\_pay\_terms;

select \* from cont\_tab;

select \* from expd\_rcv\_tab;

create sequence seq\_con;

set serverout on;

create or replace procedure check\_payment as

cursor get\_data is select \* from cont\_tab;

--cursor get\_data1 is select \* from expd\_rcv\_tab;

v\_count int;

no\_of\_months int;

last\_date date;

exist exception;

begin

for i in get\_data loop

no\_of\_months:=months\_between(i.cont\_e\_date,i.cont\_s\_date);

last\_date:=add\_months(i.cont\_s\_date,no\_of\_months);

select count(\*) into v\_count

from expd\_rcv\_tab

where exp\_rec\_date between i.cont\_s\_date and i.cont\_e\_date

and contract\_id =i.contract\_id;

if v\_count=0 then

if i.cpt\_id=100 then

while i.cont\_s\_date<last\_date loop

insert into expd\_rcv\_tab values(seq\_con.nextval,i.cont\_s\_date,i.contract\_id,(i.cont\_amt/no\_of\_months));

i.cont\_s\_date:=add\_months(i.cont\_s\_date,1);

end loop;

elsif i.cpt\_id=101 then

while i.cont\_s\_date<i.cont\_e\_date loop

insert into expd\_rcv\_tab values(seq\_con.nextval,i.cont\_s\_date,i.contract\_id,(i.cont\_amt/(no\_of\_months/3)));

i.cont\_s\_date:=add\_months(i.cont\_s\_date,3);

end loop;

elsif i.cpt\_id=102 then

while i.cont\_s\_date<last\_date loop

insert into expd\_rcv\_tab values(seq\_con.nextval,i.cont\_s\_date,i.contract\_id,i.cont\_amt/(no\_of\_months/6));

i.cont\_s\_date:=add\_months(i.cont\_s\_date,6);

end loop;

elsif i.cpt\_id=103 then

while i.cont\_s\_date<last\_date loop

insert into expd\_rcv\_tab values(seq\_con.nextval,i.cont\_s\_date,i.contract\_id,i.cont\_amt/(no\_of\_months/12));

i.cont\_s\_date:=add\_months(i.cont\_s\_date,12);

end loop;

end if;

else

raise exist;

end if;

end loop;

commit;

exception

when exist then

dbms\_output.put\_line('The contract details are already present');

end;

/

exec check\_payment;

truncate table expd\_rcv\_tab;

select \* from expd\_rcv\_tab;

create or replace procedure sp\_dyn(p\_tbl\_name varchar2) as

v\_str varchar2(200);

v\_cunt int;

begin

v\_str:='select count(\*) from user\_tables where table\_name='||''''||p\_tbl\_name||'''';

--dbms\_output.put\_line(v\_str);

execute immediate v\_str into v\_cunt; ---dynamic sql

dbms\_output.put\_line(v\_cunt);

end;

/

exec sp\_dyn('emp');

--select count(\*) from user\_tables where table\_name='EMP';

/

select \* from emp;

/

create or replace procedure sp\_dyn1(p\_tbl\_name varchar2) as

v\_str varchar2(200);

v\_cunt int;

begin

v\_str:='select count(\*) from user\_tab\_columns where table\_name='||''''||p\_tbl\_name||'''';

--dbms\_output.put\_line(v\_str);

execute immediate v\_str into v\_cunt; ---dynamic sql

dbms\_output.put\_line(v\_cunt);

end;

/

exec sp\_dyn1('EMP');

set serverout on;

--select count(\*) from user\_tables where table\_name='EMP';

/

select \* from emp;

/

--non\_predefine exception---

declare

large\_values exception;

pragma exception\_init(large\_values,-12899);

begin

insert into Emp(empno,Ename) values(80,'sankara pandi');

exception

when large\_values then

dbms\_output.put\_line('large values');

end;

/

desc emp;