

```
procedure boss is
  v_soll_sessions number;
  v_ist_sessions number;
  v_job_id number;
begin
  --Anzahl erlaubter aktiver Session
  select 8 into v_soll_sessions from dual;
  --Anzahl aktiver Session
  select count(*) into v_ist_sessions from sys.v_$session
    where username is not null and status='ACTIVE';
  for loop_counter in v_ist_sessions..v_soll_sessions
  loop
    select job_seq.nextval into v_job_id from dual;
    sys.DBMS_SCHEDULER.CREATE_JOB (job_name => 'JOB_'||v_job_id,
                                   job_type => 'PLSQL_BLOCK',
                                   job_action => 'begin worker('||v_job_id||')';
end;',
                                   start_date => SYSDATE,
                                   enabled => TRUE);

  end loop;
  sys.DBMS_SCHEDULER.CREATE_JOB (job_name =>
  'JOB_BOSS_'||to_char(sysdate,'hh24_MI_SS'),
                                   job_type => 'PLSQL_BLOCK',
                                   job_action => 'begin boss; end;',
                                   start_date => SYSDATE+24/60/60,
                                   enabled => TRUE);
end;

procedure worker(dsw_id number)
is
  rd number;
begin
  -- Arbeitsschritt 1
  rd:=DBMS_RANDOM.value(low => 1, high => 100);
  insert into Process_log values(dsw_id,sysdate,'('||dsw_id||') Schritt 1 -
Dauer '||round(2*rd,2));
  commit;
  dbms_lock.sleep(2*rd);
  -- Arbeitsschritt 2
  rd:=DBMS_RANDOM.value(low => 1, high => 100);
  insert into Process_log values(dsw_id,sysdate,'('||dsw_id||') Schritt 2 -
Dauer '||round(2*rd,2));;
  commit;
end;
```