
Posted by [SD](#) on Thu, 16 May 2024 21:56:57 GMT

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```
create sequence test_gen;
```

```
recreate table test_row
```

```
(id int not null,
```

```
 did int not null,
```

```
 pid int not null,
```

```
 dep int not null
```

```
);
```

```
alter table test_row add constraint pk_test_row primary key(id);
```

```
create unique index ix_test_row1 on test_row(did, pid, dep);
```

```
commit;
```

```
insert into test_row(id, did, pid,dep) values(1, 2, 3, 4);
```

```
commit;
```

```
set term !!;
```

```
execute block returns(id int, did int, dep int, pid int)
```

```
as
```

```
declare variable xid int;
```

```
begin
```

```
  select id,did, pid,dep
```

```
    from test_row
```

```
   where id=(select min(id) from test_row)
```

```
   into :xid, :did, pid, :dep;
```

```
while (1=1) do
```

```
begin
```

```
  delete from test_row r where r.id = :xid;
```

```
  insert into test_row(id, did, dep, pid)
```

```
  values (gen_id(test_gen, 1), :did, :dep, :pid);
```

```
  suspend;
```

```
when any do
```

```
  exception;
```

```
end
```

```
end !!
```

```
create or alter procedure sp_test
```

```
    returns(id int, did int, dep int, pid int)
as
declare variable xid int;
begin
    select id,did, pid,dep
        from test_row
    where id=(select min(id) from test_row)
        into :xid, :did, pid, :dep;

    while (1=1) do
    begin
        delete from test_row r where r.id = :xid;

        insert into test_row(id, did, dep, pid)
            values (gen_id(test_gen, 1), :did, :dep, :pid);

        suspend;

    when any do
        exception;
    end
end !!
select * from sp_test !!
```
