

# Trigger 3

Create a table with 2 number fields a and b. Write a trigger so that the value that is entered into

the table satisfies the condition:  $a+b > 75$ . Also if value of b is changed, it should not be changed to a

smaller value. Tuples that violate these conditions should not be entered.

```
SQL> create table numbert(a int,b int );  
Table created.
```

```

SQL> ed
Wrote file afiedt.buf

 1 create or replace trigger nt
 2 before update or insert on numbert
 3 for each row
 4 begin
 5 if :new.a+:new.b <75 then
 6   raise_application_error(-20001,'error-less than 75');
 7 end if;
 8 if :new.b<:old.b then
 9   raise_application_error(-20002,'error-small b');
10 end if;
11* end;
SQL> /

Trigger created.

SQL> delete from numbert;

1 row deleted.

SQL> insert into numbert values(20,30);
insert into numbert values(20,30)
      *
ERROR at line 1:
ORA-20001: error-less than 75
ORA-06512: at "SUSANA.NT", line 3
ORA-04088: error during execution of trigger 'SUSANA.NT'

SQL> insert into numbert values(20,80);

1 row created.

```

```

SQL> select * from numbert;

      A      B
-----
      20      80

```

```

SQL> update numbert set b=60;
update numbert set b=60
      *
ERROR at line 1:
ORA-20002: error-small b
ORA-06512: at "SUSANA.NT", line 6
ORA-04088: error during execution of trigger 'SUSANA.NT'

```

## Trigger

```
create or replace trigger nt
before update or insert on numbert
for each row
begin
if :new.a+:new.b <75 then
raise_application_error(-20001,'error-less than 75');
end if;
if :new.b<:old.b then
raise_application_error(-20002,'error-small b');
end if;
end;
```