

See Cursor Example.sql

--Creates a cursor for the staff table

```
declare --declare variables here
    cursor myCursor is
        select staffno from staff;
    myVar myCursor % rowtype;

begin
    open myCursor; --runs the cursor
    loop
        fetch myCursor into myVar
        exit when myCursor % notfound

        dbms_output.put_line(myVar.staffno)
    end loop;

    close myCursor;
end;
/
show errors;
```

```
USER.TAB_COLUMNS;
USER_CONSTRAINTS;
USER_CONS_COLUMNS;
USER_COL_COMMENTS;
```

When trying to pass a long as a parameter, it doesn't work, so need to convert to VARCHAR before sending it.

Sample Trigger

```
create or replace trigger CostOfLiving
    before update on STAFF for each row
declare
    v_old_city    BRANCH.CITY%TYPE;
    v_new_city    BRANCH.CITY%TYPE;
begin
    select upper(B.CITY) int v_old_city from BRANCH B
        where B.BRANCHNO = :old.branchno;
    select upper(B.CITY) int v_new_city from BRANCH B
        where B.BRANCHNO = :new.branchno;

    if v_new_city = 'LONDON' and v_old_city != 'LONDON' then
        if(:new.salary) = (:old.salary) then
            :new.salary := (:old.salary + (:old.salary * 0.1));
        elsif(:new.salary) < (:old.salary) then
            :new.salary := (:old.salary + (:old.salary * 0.1));
        end if;
    end if;
```

```
    end if;  
end if;
```