

\* hw04a.sas  
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Note: this solution uses SAS and Oracle. An alternate solution using R and SQLite is also available.

Use table patient\_type in EHR data mart. This table patient\_type has 2 fields.

Pat\_type\_id (Patient Type Id)  
Pat\_type\_desc (Patient Type Desc)

Order all the fields by Pat\_type\_desc  
Select all fields where Pat\_type\_desc starts with "Inp"  
Select first four rows from the table

Note: Some of the names used in this code are arbitrary and you can choose whatever names you want. To emphasize which names can be modified at your discretion, I am using names of famous statisticians.

The statistician being honored in this code is  
[Florence Nightingale] ([https://en.wikipedia.org/wiki/Florence\\_Nightingale](https://en.wikipedia.org/wiki/Florence_Nightingale)).;

ods pdf file="q:/introduction-to-sql/results/hw04a-solution-using-sas-oracle-output.pdf";

```
%include 'q:/sql files/super-secret.sas';  
libname  
    florence  
    oracle  
    user='simons'  
    password=&pw  
    path='@CHIHFPD, BUFFSIZE=9000'  
    schema='ehr';
```

```
proc sql;  
    create table nightingale1 as  
        select *  
            from florence.patient_type  
            order by Pat_type_desc;  
quit;
```

```
proc print  
    data=nightingale1;  
run;
```

```
proc sql;  
    create table nightingale2 as  
        select *  
            from florence.patient_type  
            where Pat_type_desc like 'Inp%';  
quit;
```

```
proc print
  data=nightingale2;
run;

proc sql;
  create table nightingale3 as
    select *
      from florence.patient_type
     where monotonic() <= 4;
quit;

proc print
  data=nightingale3;
run;

ods pdf close;
```