

* hw10a.sas
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* Note: this solution uses SAS and Oracle. An alternate solution using R and SQLite is also available.

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
[George Box] (https://en.wikipedia.org/wiki/George_E._P._Box).

1. Pick a database (any database)
+ Use one of the approaches shown above to list all the table names.
2. Pick a table (any table)
+ Use one of the approaches shown above to list all the field names.
3. Do an Internet search on a database other than Oracle and SQLite.
+ Document how you get a list of all the table names in that database.

Answer to #3: I ran a search on the phrase "db2 list all table names" and found a web page

<https://chartio.com/resources/tutorials/how-to-list-tables-in-ibm-db2/>

The information about every table in db2 is listed in a table called SYSIBM.SYSTABLES. Use the following SQL statements:

```
SELECT * FROM SYSIBM.SYSTABLES  
WHERE type = "T"
```

;

```
ods pdf file="q:/introduction-to-sql/results/hw10a-solution-using-sas-oracle-  
output.pdf";
```

```
%include 'q:/sql files/super-secret.sas';
```

```
libname
```

```
box
```

```
oracle
```

```
user='simons'
```

```
password=&pw
```

```
path='@CHIHFPD, BUFFSIZE=9000'
```

```
schema='sys';
```

```
proc sql;
```

```
create table georgel as
```

```
select table_name
```

```
from box.all_tables
```

```
where owner='EHR'
```

;

```
quit;

proc print
  data=george1;
run;

proc sql;
  create table george2 as
  select column_name
    from box.all_tab_columns
   where table_name='ENCOUNTER'
;
quit;

proc print
  data=george2;
run;

ods pdf close;
```