

STAT2005 Programming Languages for Statistics  
Exercise for Chapter 11

Write SAS statement(s) to create a library called `home` with your preferred file path.

1. Consider the text file `ex11_ocamp.txt`.

(a) Read `ex11_ocamp.txt` into a permanent dataset called `home.ocamp`. The dataset `home.ocamp` consists of 4 variables:

- `Name`: a character variable with length 20;
- `Sex`: a character variable;
- `Year`: a numeric variable;
- `Duty`: a character variable.

Select the data where `Duty` equals to 'EC' and store them into a temporary dataset called `EC`.

(b) Write SAS statement(s) to store only `Name` variable from dataset `home.ocamp` into a temporary dataset called `Name_only`.

2. Consider the text file `ex11_activities.txt`.

(a) Write SAS statement(s) to store the data in the file into a permanent dataset called `home.activity_list`, which consists of two variables `Activity` and `Day`. `Activity` is a character variable with length 20. `Day` is a numeric variable. The value of `Day` is between 1 to 7, which represents Sunday to Saturday. Create a temporary dataset called `q2a` to store the first 5 observations on weekdays.

(b) Write SAS statement(s) to create two temporary datasets `Weekdays` and `Weekend` to store the observations on weekdays and weekend respectively.

(c) Write SAS statement(s) to store the data in `home.activity_list` in a temporary dataset called `q2c`. Rename `Activity` to `A`, and `Day` to `D`.