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```

clear;

% Import the Patients data set from
% the file "patient.csv" saved in the same folder:

% Exercise A)
    dat = readtable("schools.csv");

    % Brief summary of the data set:
    format compact;
    summary(dat)

%Exercise B)

    dat.GEO = string(dat.GEO);
    dat.GRADE = string(dat.GRADE);
    dat.SEX = string(dat.SEX);

    dat.NUM = uint32(dat.NUM);
    dat.YEAR = uint32(dat.YEAR);
    summary(dat)

    unique(dat.SAHS)
%Exercise C)

    %Displaying the unique values taken by the variables GEO, GRADE,
    and
    %Sex
    disp(unique(dat.GEO));
    disp(unique(dat.GRADE));
    disp(unique(dat.SEX));

%Exercise D)

    % Creating a new table
    dat_va = dat( dat.SEX == "Both sexes", dat.YEAR,:);

    % Extract the patients that smoke:

    % The command `head` display the first 8 rows,
    % it is useful for just a quick look:

Variables:
    GEO: 10751x1 cell array of character vectors
    GRADE: 10751x1 cell array of character vectors
    SEX: 10751x1 cell array of character vectors
    NUM: 10751x1 double
    Values:

```

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```

        Min            0
        Median         7041
        Max          5.1259e+06
YEAR: 10751x1 double
  Values:
    Min         1997
    Median      2005
    Max         2013
Variables:
  GEO: 10751x1 string
  GRADE: 10751x1 string
  SEX: 10751x1 string
  NUM: 10751x1 uint32
    Values:
      Min            0
      Median         7041
      Max          5125881
YEAR: 10751x1 uint32
  Values:
    Min         1997
    Median      2005
    Max         2013

Error using lab03_schools_251004930 (line 25)
Unrecognized table variable name 'SAHS'.
```

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