```python
# -*- coding: utf-8 -*-
"""
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"""

import os
# print os.getcwd()

os.chdir('D:/DatabaseProject')

import csv
out = open("Fall2016_FullCourseListing_012516.csv", "rb")
data = csv.reader(out)
data = [row for row in data]

out.close()

del data[0]

#################################### Courses

Courses = [];

for row in data:
    if row[0] != ' ' and row[0] != '':
        new_row = [row[2], row[3], row[4], row[5]]
        Courses.append(new_row)

out = open ("Courses.csv", "wb")
output = csv.writer(out)

for row in Courses:
    output.writerow(row)

out.close()

#################################### Sections

Sections = [];

for row in data:
    if row[0] != ' ' and row[0] != '':
        new_row = [row[0], row[6], row[15], row[1], row[7], row[8], row[12], row[13], r
        Sections.append(new_row)

out = open ("Sections.csv", "wb")
output = csv.writer(out)

for row in Sections:
    output.writerow(row)

out.close()

#################################### Sectionof
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Sectionof = [];

for row in data:
    if row[0] != ' ' and row[0] != '':
        new_row = [row[0], row[2], row[3], row[4], row[5]]
        Sectionof.append(new_row)

out = open ("Sectionof.csv", "wb")
output = csv.writer(out)

for row in Sectionof:
    output.writerow(row)

out.close()


########################### Teach and Faculty

Faculty = [];
for row in data:
    new_row = [row[0], row[14]]
    Faculty.append(new_row)


#new_Faculty = [];
#for row in Faculty:
#    if row[0] != ' ' and row[0] != '':
#        crn = row[0];
#        if row[1] == 'Staff':
#            last_name = None;
#            first_name = None;
#            new_row = [crn, last_name, first_name];
#            new_Faculty.append(new_row);
#        else:
#            name = row[1].split(', ')
#            last_name = name[0]
#            first_name = name[1]
#            new_row = [crn, last_name, first_name];
#            new_Faculty.append(new_row);


new_Faculty = [];
for row in Faculty:
    if row[0] != ' ' and row[0] != '':
        crn = row[0];
        if row[1] == 'Staff':
            pass
        else:
            name = row[1].split(', ')
            last_name = name[0]
            first_name = name[1]
            new_row = [crn, last_name, first_name];
            new_Faculty.append(new_row);
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out = open ("Teach.csv", "wb")
output = csv.writer(out)

for row in new_Faculty:
    output.writerow(row)

out.close()


FacultyTable = [];
for row in new_Faculty:
    if row[1] != None:
        new_row = [row[1], row[2]]
        FacultyTable.append(new_row)


s = []
for i in FacultyTable:
        if i not in s:
            s.append(i)
# print len(s)

out = open ("Faculty.csv", "wb")
output = csv.writer(out)

for row in s:
    output.writerow(row)

out.close()

########################## Schedule

CRNTime = [];
for row in data:
    new_row = [row[0], row[9], row[10], row[11]]
    CRNTime.append(new_row)

CRNTimeTest = CRNTime

new_CRNTimeTest = []
for row in CRNTimeTest:
    if row[0] != ' ' and row[0] != '':
        if row[1] == ' ' or row[1] == '':
            pass
        else:
            crn = row[0]
            for i in range(len(row[1])):
                new_row = [crn, i+1, row[1][i], row[2], row[3]]
                new_CRNTimeTest.append(new_row)
            l = len(row[1])

    elif row[1] != ' ' and row[1] != '':
        # print row
        for i in range(len(row[1])):
            new_row = [crn, l+i+1, row[1][i], row[2], row[3]]
            new_CRNTimeTest.append(new_row)
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        l = l+len(row[1])

out = open ("Schedule.csv", "wb")
output = csv.writer(out)

for row in new_CRNTimeTest:
    output.writerow(row)

out.close()

########################## Notes
Notes = [];
for row in data:
    new_row = [row[0], row[5]]
    Notes.append(new_row)

#new_Notes = [];
#flag = False;
#for row in Notes:
#    if row[0] != ' ' and row[0] != '':
#        if flag == True:
#            new_row = [crn, notes]
#            new_Notes.append(new_row)
#        crn = row[0];
#        notes = [];
#        flag = True;
#    elif row[1] != ' ' and row[1] != '':
#        notes.append(row[1])


new_Notes = [];

for row in Notes:
    if row[0] != ' ' and row[0] != '':
        crn = row[0];
        i = 1;
    elif row[1] != ' ' and row[1] != '':
        new_row = [crn, i, row[1]]
        new_Notes.append(new_row)
        i = i + 1;


#n_Notes = []
#for i in range(len(new_Notes)):
#    # print i
#    if new_Notes[i][1] != []:
#        n_Notes.append(new_Notes[i])
#print Len(n_Notes)


out = open ("Notes.csv", "wb")
output = csv.writer(out)

for row in new_Notes:
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        output.writerow(row)

out.close()

################################### Students and Enroll

out = open("students.txt", "rb")
data = csv.reader(out)
data = [row for row in data]

out.close()


# print data[0]
# print data[0][0:4]
# print data[0][7]
# print len(data[0])

Students = []
Enroll = []
for row in data:
    Students.append(row[0:4])
    if len(row) >= 5:
        for i in range(len(row)-4):
            # print i
            new_row = [row[0], row[i+4]]
            Enroll.append(new_row)


out = open ("Students.csv", "wb")
output = csv.writer(out)

for row in Students:
    output.writerow(row)

out.close()

out = open ("Enroll.csv", "wb")
output = csv.writer(out)

for row in Enroll:
    output.writerow(row)

out.close()
```