1.

import csv

fn = 'csvReport.csv'

with open(fn) as csvFile:

csvReader = csv.reader(csvFile)

listReport = list(csvReader)

revenue1 = int(listReport[1][5])+int(listReport[2][5])+int(listReport[5][5])+int(listReport[7][5])+int(listReport[8][5])

revenue2 = int(listReport[3][5])+int(listReport[4][5])+int(listReport[6][5])+int(listReport[9][5])+int(listReport[10][5])

print('Total Revenue of 2015 =',revenue1)

print('Total Revenue of 2016 =',revenue2)

2.

import json

import csv

fn1 = 'preview.json'

with open(fn1) as fnObj:

dict = json.load(fnObj)

dictList = [{'站號代號':dict[0]['sno'],'場站名稱':dict[0]['sna'],'場站總停車格':dict[0]['tot']},

{'站號代號':dict[1]['sno'],'場站名稱':dict[1]['sna'],'場站總停車格':dict[1]['tot']},

{'站號代號':dict[2]['sno'],'場站名稱':dict[2]['sna'],'場站總停車格':dict[2]['tot']},

{'站號代號':dict[3]['sno'],'場站名稱':dict[3]['sna'],'場站總停車格':dict[3]['tot']},

{'站號代號':dict[4]['sno'],'場站名稱':dict[4]['sna'],'場站總停車格':dict[4]['tot']},

{'站號代號':dict[5]['sno'],'場站名稱':dict[5]['sna'],'場站總停車格':dict[5]['tot']},

{'站號代號':dict[6]['sno'],'場站名稱':dict[6]['sna'],'場站總停車格':dict[6]['tot']},

{'站號代號':dict[7]['sno'],'場站名稱':dict[7]['sna'],'場站總停車格':dict[7]['tot']},

{'站號代號':dict[8]['sno'],'場站名稱':dict[8]['sna'],'場站總停車格':dict[8]['tot']},

{'站號代號':dict[9]['sno'],'場站名稱':dict[9]['sna'],'場站總停車格':dict[9]['tot']},

{'站號代號':dict[10]['sno'],'場站名稱':dict[10]['sna'],'場站總停車格':dict[10]['tot']},

{'站號代號':dict[11]['sno'],'場站名稱':dict[11]['sna'],'場站總停車格':dict[11]['tot']},

{'站號代號':dict[12]['sno'],'場站名稱':dict[12]['sna'],'場站總停車格':dict[12]['tot']},

{'站號代號':dict[13]['sno'],'場站名稱':dict[13]['sna'],'場站總停車格':dict[13]['tot']},

{'站號代號':dict[14]['sno'],'場站名稱':dict[14]['sna'],'場站總停車格':dict[14]['tot']},

{'站號代號':dict[15]['sno'],'場站名稱':dict[15]['sna'],'場站總停車格':dict[15]['tot']},

{'站號代號':dict[16]['sno'],'場站名稱':dict[16]['sna'],'場站總停車格':dict[16]['tot']},

{'站號代號':dict[17]['sno'],'場站名稱':dict[17]['sna'],'場站總停車格':dict[17]['tot']},

{'站號代號':dict[18]['sno'],'場站名稱':dict[18]['sna'],'場站總停車格':dict[18]['tot']},

{'站號代號':dict[19]['sno'],'場站名稱':dict[19]['sna'],'場站總停車格':dict[19]['tot']},

{'站號代號':dict[20]['sno'],'場站名稱':dict[20]['sna'],'場站總停車格':dict[20]['tot']},

{'站號代號':dict[21]['sno'],'場站名稱':dict[21]['sna'],'場站總停車格':dict[21]['tot']},

{'站號代號':dict[22]['sno'],'場站名稱':dict[22]['sna'],'場站總停車格':dict[22]['tot']},

{'站號代號':dict[23]['sno'],'場站名稱':dict[23]['sna'],'場站總停車格':dict[23]['tot']},

{'站號代號':dict[24]['sno'],'場站名稱':dict[24]['sna'],'場站總停車格':dict[24]['tot']},

{'站號代號':dict[25]['sno'],'場站名稱':dict[25]['sna'],'場站總停車格':dict[25]['tot']},

{'站號代號':dict[26]['sno'],'場站名稱':dict[26]['sna'],'場站總停車格':dict[26]['tot']},

{'站號代號':dict[27]['sno'],'場站名稱':dict[27]['sna'],'場站總停車格':dict[27]['tot']},

{'站號代號':dict[28]['sno'],'場站名稱':dict[28]['sna'],'場站總停車格':dict[28]['tot']},

{'站號代號':dict[29]['sno'],'場站名稱':dict[29]['sna'],'場站總停車格':dict[29]['tot']}]

fn2 = 'preview.csv'

with open(fn2, 'w', newline = '') as csvFile:

fields = ['站號代號', '場站名稱', '場站總停車格']

dictWriter = csv.DictWriter(csvFile, fieldnames=fields)

dictWriter.writeheader()

for row in dictList:

dictWriter.writerow(row)