```
Script started on 2023-11-10 16:01:03-06:00 [TERM="xterm-256color" TTY="/dev/pts/0" COLUMNS="201" LINES="46"]
[?2004h(base) ]0;jovyan@jupyter-tes4j: ~/OLA[01;32mjovyan@jupyter-tes4j[00m:[01;34m~/OLA[00m$ cat -n ola5.py
[?2004l
     1  #Tyler Sabin
     2  #CSCI 1170 Section 006
     3  #Due date: 11/14/2023
     4  #OLA 5, Nov. 10, 2023
     5  #This program takes an input file name from the user, validates it, and will calc the average and output a .csv file
     6  #With the names, averages, total number of students, and number of pass/fail
     7
     8  def main():
     9      try:
    10          fileName = input("Please enter the scores filename: ")
    11          print(f'You entered {fileName}')
    12          avgFile = open(fileName,'r')
    13          print(f'Opened scores file {fileName}')
    14      except IOError:
    15          print('File failed to open.')
    16
    17      tempFileCSV = 'averages.csv'
    18      tempFile = open(tempFileCSV,'w')
    19
    20      passNum = 0
    21      failNum = 0
    22      totalNum = 0
    23
    24      #This while loop will itterate through the file until it reaches ' '
    25      #It will read each name, and scores for each name, then convert the score to a float
    26      #The name & average will be written to the Temp file
    27
    28      name = avgFile.readline()
    29      while name != '':
    30          score1 = float(avgFile.readline())
    31          score2 = float(avgFile.readline())
    32          score3 = float(avgFile.readline())
    33          score4 = float(avgFile.readline())
    34          average = (score1 + score2 + score3 + score4) / 4
    35          name = name.rstrip('\n')
    36          print(f'{name} scores: {score1:.2f} {score2:.2f} {score3:.2f} {score4:.2f} average: {average:.2f}')
    37          average = str(average)
    38          tempFile.write(f'{name} , {average}' + '\n')
    39          average = float(average)
    40          if average > 60:
    41              passNum += 1
    42          else:
    43              failNum += 1
    44          totalNum += 1
    45          name = avgFile.readline()
    46
    47      avgFile.close()
    48
    49      passNum = str(passNum)
    50      failNum = str(failNum)
    51      totalNum = str(totalNum)
    52
    53      tempFile.write(f'Total number: {totalNum}' + '\n')
    54      tempFile.write(f'Passed: {passNum}' + '\n')
    55      tempFile.write(f'Failed: {failNum}' + '\n')
    56
    57      tempFile.close()
    58
    59  main()[?2004h(base) ]0;jovyan@jupyter-tes4j: ~/OLA[01;32mjovyan@jupyter-tes4j[00m:[01;34m~/OLA[00m$ python3.10
OL[K[Kola5.py
[?2004l
Please enter the scores filename: Student.txt
You entered Student.txt
Opened scores file Student.txt
Mary scores: 76.00 89.00 82.00 100.00 average: 86.75
Joey scores: 91.00 81.00 83.00 95.00 average: 87.50
Sally scores: 92.00 93.00 90.00 97.00 average: 93.00
Jh scores: 76.00 89.00 82.00 100.00 average: 86.75
Joey scores: 91.00 81.00 83.00 95.00 average: 87.50
Sam scores: 92.00 93.00 90.00 97.00 average: 93.00
Mark scores: 76.00 89.00 82.00 100.00 average: 86.75
Jade scores: 91.00 61.00 73.00 95.00 average: 80.00
Suny scores: 62.00 44.00 60.00 35.00 average: 50.25
Jhon scores: 76.00 79.00 62.00 100.00 average: 79.25
Jermy scores: 91.00 71.00 83.00 91.00 average: 84.00
Bam scores: 92.00 91.00 95.00 97.00 average: 93.75
[?2004h(base) ]0;jovyan@jupyter-tes4j: ~/OLA[01;32mjovyan@jupyter-tes4j[00m:[01;34m~/OLA[00m$ exit
[?2004l
exit
```

Script done on 2023-11-10 16:01:29-06:00 [COMMAND_EXIT_CODE="0"]