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C1

Python code

```
score = [ float(e) for e in input().split()]
Pass = []
Fail = Π
n = len(score)
if n == 7: Mean = sum(score)/n
      for i in range(0,7):
      if score[i] >= Mean:
         y = score[i]
         Pass.append(y)
         print(score[i],'=','Pass')
      else:
         print(score[i],'=','Fail')
         x = score[i]
         Fail.append(x)
   print('Pass =',len(Pass),'Fail =',len(Fail))
else:
   print('error')
```

Result

```
PS C:\Users\u\Desktop\Seksun> & C:/Users/u/AppData/Local/Programs/Python/Python
Enter student score: 45.5 38 62.5 54 61 70 55
38.0 Fail
45.5 Fail
54.0 Fail
55.0 Fail
61.0 Pass
62.5 Pass
70.0 Pass
Pass = 3, Fail = 4
```

Python code

```
infile = open(input('Enter file name: '), 'r')
numList = []

for line in infile:
    for num in line.strip().split():
        numList.append(int(num))

numList = sorted(numList)

for num in list(dict.fromkeys(numList)):
    print(f'{num} {numList.count(num)}')
```

Result

```
PS C:\Users\u\Desktop\Seksun> & C:/Users/u/AppDa
Enter file name: nums.txt
6 3
8 1
1 12 30 60 6 12 80 60
2 30 80 60 6 12
3 12 8 6
12 4
30 2
60 3
80 2
```

Python code

```
inputFile = open(input('Enter input file name: '), 'r')
outputFile = open(input('Enter output file name: '), 'w')
itemList = []
for line in inputFile:
    for i in line.strip().split():
        itemList.append(i)
itemList = sorted(itemList)
start = 0
for round in range(((len(itemList)//5) + 1)):
    stringitem = ''
    if len(itemList) > 5*(round+1):
        for i in itemList[start:5 * (round+1)]:
            stringitem += i+' '
        outputFile.write(stringitem + '\n')
        start += 5
    else:
        for i in itemList[start:]:
            stringitem += i+' '
        outputFile.write(stringitem)
print(f'Output file : {outputFile}')
```

Result

tiger tuesday

november december

PS C:\Users\u\Desktop\Seksun> & C:/Users/u/AppData/Local/Progr