**QUESTION 6**

* **CODE :-**

import csv

**#(a)**

f=open('placement.csv','r')

r=csv.reader(f)

print('(a) The placement.csv contains the following:')

for i in (r):

if r.line\_num==0:

continue

else:

print(i)

**#(b)**

def count():

f=open('placement.csv','r')

r=csv.reader(f)

for i in (r):

r.line\_num

print(f'\n(b) Total no. of candidates that came for placement test are {r.line\_num-1}.')

**#(c)**

def function(k):

return int(k[7])

def topper():

f=open('placement.csv','r')

r=csv.reader(f)

l=[]

for i in r:

if r.line\_num==1:

continue

else:

s=int(i[-1])+int(i[-2])+int(i[-3])+int(i[-4])+int(i[-5])

i.append(s)

l.append(i)

l.sort(key=function,reverse=True)

n=int(input('\n(c) Enter the no. of top candidates required: '))

print('Top',n,'candidates are: ')

for i in range(n):

print(f'{i+1}. {l[i]}')

count()

topper()

* **OUTPUT :-**

(a) The placement.csv contains the following:

['1', 'JOHN', '4', '3', '4', '2', '5']

['2', 'PETER', '3', '2', '4', '3', '5']

['3', 'SAM', '2', '4', '3', '5', '3']

['4', 'TRACY', '4', '5', '1', '2', '4']

['5', 'ALEX', '5', '3', '2', '4', '5']

(b) Total no. of candidates that came for placement test are 4.

(c) Enter the no. of top candidates required: 3

Top 3 candidates are:

1. ['5', 'ALEX', '5', '3', '2', '4', '5', 19]

2. ['2', 'PETER', '3', '2', '4', '3', '5', 17]

3. ['3', 'SAM', '2', '4', '3', '5', '3', 17]