Draw a flowchart and construct a python program to read the three subject’s marks secured by n students during FAT examination. If a student secured less than 50 in any subject, the student is failed in that subject. Count the number of students who failed in each subject and the total number of students who failed in at least one subject. [C01] [L2] Sample Workout as given below: Input: S1 = {‘m1’: 50, ‘m2: 40, ‘m3:75) S2 = {‘m2: 49, ‘m3: 35, ‘m4:54} S3 = {‘m1’: 77, ‘m2’: 84, ‘m4’:51} Output: {‘m1’: 0, ‘m2: 2, ‘m3’: 1, ‘m4’:0} 2 For example: Test Input Result 1 2 3 M1 M1 0 M2 0 M3 50 M2 51 M3 1 M4

**Solution**

Fail\_1 = 0

Fail\_2 = 0

Fail\_3 = 0

Fail\_4 =0

Fail\_any = 0

m = int(input())

For I in range(m):

Fail = False

Print(‘Enter the first mark for student’, i+1, end =’: ‘)

Mark1 = int(input())

If mark1 < 50:

Fail\_1 += 1

Fail = True

Print(‘Enter the second mark for student’, i+1, end =’: ‘)

Mark2 = int(input())

If mark2 < 50:

Fail\_2 += 1

Fail = True

Print(‘Enter the third mark for student’, i+1, end =’: ‘)

Mark3 = int(input())

If mark3 < 50:

Fail\_3 += 1

Fail = True

If fail:

Fail\_any += 1

Print(‘Fail in first subject’, fail\_1)

Print(‘Fail in second subject’, fail\_2)

Print(‘Fail in third subject’, fail\_3)

Print(fail\_any, ‘ students failed at least one subject’)

2)

n=int(input())

L1=[]

noc=int(input())#no.of.courses

for i in range(1,n+1):

for i in range(1,noc+1):

Course=str(input())

Mark=int(input())

t=(Course,Mark)

L1.append(t)

dict1=dict(L1)

print(dict1)

for Course,Mark in dict1.items():

if Mark<50:

a=[Course]

print(a)